



Academic Affairs

THE FIELD MUSEUM
1995 ANNUAL REPORT TO THE
BOARD OF TRUSTEES



ACADEMIC AFFAIRS

CENTER FOR EVOLUTIONARY AND ENVIRONMENTAL BIOLOGY (CEEB)

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE (CCUC)

THE FIELD MUSEUM

1995 ANNUAL REPORT TO THE
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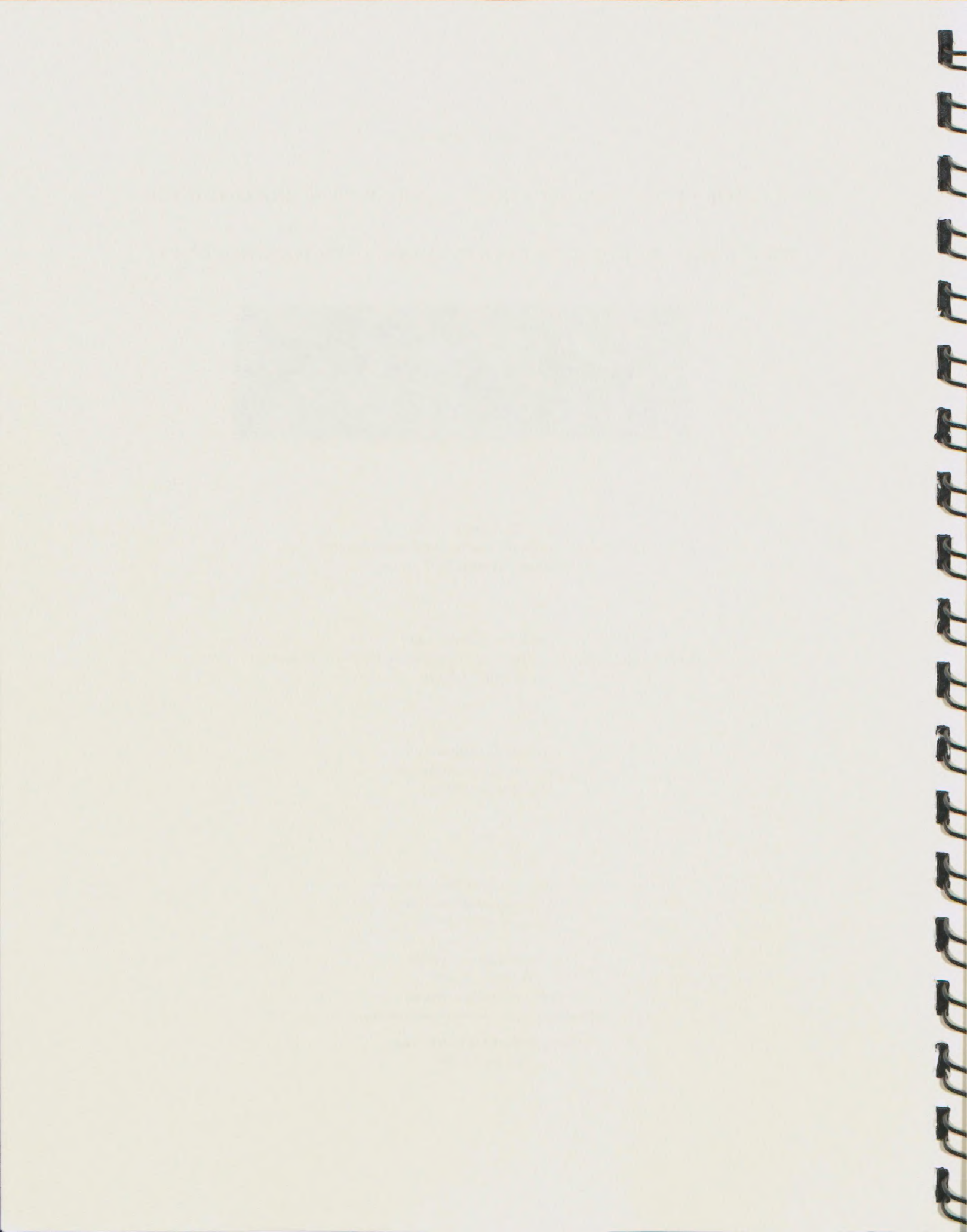
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1995 ANNUAL REPORT

The 1995 Academic Affairs Annual Report summarizes accomplishments of the last twelve months. During 1995 Charles Stanish became the new Chair of the Department of Anthropology, and J. William O. Ballard (Insects), Shannon Hackett (Birds), John Bates (Birds) and Meenakshi Wadwha (Meteoritics) joined the curatorial staff. An external review of The Field Museum library resulted in the establishment of a Department of Information Services, which combines the library, photography, computing and Fieldiana into a single integrated unit. The initial renovation of our biochemical laboratories was completed and major improvements in computing infrastructure were initiated.

In collections and research Field Museum scientists published more than 140 books and papers and acquired significant new collections, including fungi from the mid-west, amphibians and reptiles from Vietnam, and dinosaurs and other fossil vertebrates from Madagascar. In 1995 more than 44,000 specimens and artifacts were loaned for exhibit and study and the collections were used by more than 2,000 behind-the-scenes visitors. Anthropology staff continued to work closely with Native American groups on implementing the Native Americans Graves Protection and Repatriation Act. In public education, staff in Academic Affairs helped develop and implement programs ranging from the Masters of the Night summer exhibit, to Celebración and the African Heritage Festival. We also provided hands-on training in collections care and collections-based research to more than 110 high school, undergraduate and graduate students and young professionals. During 1995 staff in Academic Affairs also secured more than \$2 million dollars in competitive grant and contract funding to further the Museum's mission in collections, research and public learning.

In the Center for Cultural Understanding and Change, staff from Academic Affairs participated in the development of a new exhibit provisionally entitled "Living Together: Common Concerns Different Responses." This exhibit will use the Museum's anthropological collections and expertise to increase awareness of the connections, commonalities and differences among cultures, as an introduction to all of our cultural exhibits. Also, through the Nuveen Forum at The Field Museum we have participated in the National Endowment for the Humanities initiative "A National Conversation on American Pluralism and Identity." In 1995 four conversations involved a selection of Chicagoans and anthropologists in a dialogue on the meaning of culture, pluralism and diversity.

In the Center for Evolutionary and Environmental Biology, staff from Academic Affairs participated in the early development of a new exhibit provisionally entitled "Life Underground: Foundations of the Biosphere." This exhibit will illustrate the importance of soil organisms and ecosystems in both managed and natural habitats. Also in 1995, the Evolution and Ecology graduate programs at the University of Chicago, in which Field Museum scientists participate extensively, were ranked as the best in the nation by the National Research Council. In June CEEB and CCUC collaborated on the symposium "Natural and Human-Induced change in Madagascar." This highly successful symposium sought to promote better understanding of the roles that natural and human-induced processes have played in transforming the landscapes of that island, and also other areas of the tropics. Academic Affairs staff also conducted an intensive three-week on-site training program in lowland Bolivia to enhance the capacity of young Bolivian scientists to rapidly assess tropical biodiversity.

The strength and breadth of these activities, documented in the pages of this report, highlight the dedication and commitment of our staff and supporters. In 1995 these activities received increased public and media recognition, which helped communicate the vitality and relevance of The Field Museum programs. All of us in Academic Affairs look forward to further innovation and success in 1996 in our continuing efforts to serve one of the world's great metropolitan communities.

Peter R. Crane
A. Watson Armour III Curator
Vice President, Academic Affairs and Director

THE FIELD MUSEUM - MISSION STATEMENT

Preamble: Serving The Public As Educator

The Field Museum is an educational institution concerned with the diversity and relationships in nature and among cultures. It provides collection-based research and learning for greater public understanding and appreciation of the world in which we live. Its collections, public learning programs, and research are inseparably linked to serve a diverse public of varied ages, backgrounds and knowledge.

Subject Matter Focus: Living Together On The Living Earth

Combining the fields of Anthropology, Botany, Geology, Paleontology and Zoology, the Museum uses an interdisciplinary approach to increasing knowledge about the past, present and future of the physical earth, its plants, animals, people, and their cultures. In doing so, it seeks to uncover the extent and character of biological and cultural diversity, similarities and interdependencies so that we may better understand, respect, and celebrate nature and other people.

Collections: World-Wide Knowledge Database

The Museum holds encyclopedic collections of biological and geological specimens and cultural objects as the data needed to understand the nature of — and conditions affecting — environmental and cultural change. In support of these collections, we also hold significant collections of books, periodicals, photographs, illustrations, computer data, archival and instructional material. Like a great research library, our collections of more than 20 million items are a crucial part of the world's knowledge database for the sciences, humanities and the arts. The Museum holds the collections in trust for future generations. Over time, new knowledge is gleaned from the collections. Accordingly, the Museum must manage the collections to provide for both long-term conservation and access and make strategic additions to the collections pursuant to clearly defined objectives. In discharging its collection trusteeship, the Museum recognizes the special relationship it has with the people whose cultures and habitats are represented in the collections. We will nurture these special relationships so together we can enhance greater understanding of cultural traditions and environmental surroundings for the benefit of all humankind.

Public Learning: Offering Greater Understanding About Environments And People

Unlike schooling, learning in a museum is self-motivated, self-directed, and can be lifelong. Unlike print and electronic media, information is communicated primarily through real, tangible objects. Museum learning usually takes place during leisure time and without the direction of a teacher. The exhibit is the principal avenue of learning. Exhibits are augmented by people-mediated programs and a visitor-oriented museum-wide staff which reaches out to assist all visitors. Services to schools and communities extend the museum experience to people beyond our walls. To stimulate a public sense of inquiry, curiosity and delight, our exhibits and programs are not only informative, but also entertaining and inspiring. We focus on critical environmental and cultural issues which are engaging and relevant to the public's daily lives and civic responsibilities. We must be a vital educational and recreational destination for both our local and world-wide communities.

Research: Explaining The Patterns And Processes That Shape The Living Earth

The Museum maintains a vital program of basic research that continually stimulates active and pioneering uses of the collections. Seeking new knowledge and deriving new syntheses about the dynamic physical, biological and cultural patterns and processes that shape the living earth, Museum research centers on anthropology and the natural sciences of evolutionary and environmental biology and geology. All of the research programs are focused on the interrelationships among the earth, its environments, life and cultures and how they change over time. Our research methods use advanced technologies and encourage an interdisciplinary approach which combines the Museum's disciplinary breadth and small research staff into a uniquely imaginative and focused whole. Our basic research has direct linkages to research about conservational, ecological, biomedical and multicultural issues. The Museum and its staff communicate our research findings and ideas about the history of the planet by means of scholarly and general papers, oral presentations to scientific and public audiences, public exhibits and other learning programs.

Publics: Reaching Out

Field Museum serves diverse publics ranging from children, adults and families to the national and international research community. We reach out to our diverse publics and their changing educational needs. We have a special responsibility to reach out to the people of Chicago, neighboring communities and the State of Illinois. Our visitors should reflect the cultural, educational and economic diversity of the Chicago metropolitan area. We must work collaboratively and sensitively with the people in our locality, country and world whose cultures and habitats are represented in our collections, research and public programs. In reaching out, the Museum must build on its long-standing tradition of "outreach" which takes its resources and programs to schools, parks, and communities.

Linkages: Working With Others

The Field Museum is a unique educational institution in a network of nearby and international educational institutions. We must work closely with neighboring schools, colleges, universities and research institutions to strengthen the quality and effectiveness of our collection-based research and public learning. We need to collaborate with other museums, environmental, cultural and recreational groups and organizations to fulfill our educational mission. The Museum has an obligation to seek out and collaborate with researchers and teachers who reside in the areas from which our collections come.

Center Of Understanding And Mutual Respect: Listening To Each Other

The Museum subject matter directly relates to the great issues of the present and future: environmental and cultural diversity and their interrelationships. There are differing scholarly and public viewpoints on these concerns. While the Museum does not take institutional positions on these issues, it must serve as a center of free inquiry, a marketplace for multiple points of view on these matters. In doing so it serves as a forum where relevant controversy can be aired. In this way the Museum can be a "door in the wall" of our differences and inspire greater knowledge, understanding and respect for our varied natural environments and cultural heritages.

Public Service: Our Commitment

We — the trustees, staff and volunteers of the Field Museum — are dedicated to public service. Together and individually we share a commitment to provide services and opportunities to our many publics. As an institution devoted to the study of diversity and relationships, we will practice diversity in our public contacts and staffing. We will nurture an environment of mutual respect which will extend to the public we serve. We will act ethically in our relations with the public and with each other. Collectively and individually we are committed to the mission of the Museum and our public service responsibilities.

INTRODUCTION TO THE FIELD MUSEUM

Founding—The Field Museum was incorporated in the State of Illinois on September 16, 1893 as the Columbian Museum of Chicago with its purpose the "accumulation and dissemination of knowledge, and the preservation and exhibition of objects illustrating art, archaeology, science and history." In 1905, the Museum's name was changed to Field Museum of Natural History to honor the Museum's first major benefactor, Marshall Field, and to better reflect its focus on the natural sciences. In 1921 the Museum moved from its original location in Jackson Park to its present site on Chicago Park District property near downtown where it is part of a lakefront museum campus that includes the John G. Shedd Aquarium and the Adler Planetarium. These three institutions are regarded as among the finest of their kind in the world and together attract more visits annually than any comparable site in Chicago.

Collections—The Field Museum was founded to house the biological and anthropological collections assembled for the World's Columbian Exposition of 1893. These objects form the core of the Museum's collections which have grown through world-wide expeditions, exchange, purchase, and gifts to more than twenty million specimens. The collections form the foundation of the Museum's exhibition, research and education programs, which are further informed by a world-class natural history library of more than 250,000 volumes.

Public Learning—As an educational institution the Field Museum offers multiple opportunities for both informal and more structured public learning. Exhibits remain the primary means of informal education, but throughout its history the Museum has supplemented this approach with innovative educational programs. The Harris Loan Program, for example, begun in 1912, provides educational outreach to children, bringing artifacts, specimens, audiovisual materials, and activity kits to Chicago area schools. The Department of Education, begun in 1922, offers a changing program of classes, lectures, field trips and special events, such as museum overnights, for families, adults and children. Professional symposia and lectures, such as the annual Spring Systematics Symposium, presents the latest scientific results to the international scientific community as well as the public at large.

Research—The Museum's curatorial and scientific staff in the departments of Anthropology, Biology, Geology, and Zoology conducts basic research in the fields of systematic biology and anthropology, and also has responsibility for collections management, and collaboration in public programs with the Departments of Education and Exhibits. Since its founding the Field Museum has been an international leader in evolutionary biology and paleontology, and archaeology and ethnography, and has long maintained close links, including joint teaching, students, seminars, with local universities - particularly the University of Chicago and the University of Illinois at Chicago.

Audience and Attendance—The Field Museum serves a large and diverse public including school children, teachers, families, and adults - casual visitors, tourists, students, collectors, amateur scholars and the national and international scientific community. Since 1927, more than one million people annually have visited the Field Museum from Chicago, Illinois, the nation, and abroad. In 1995 total attendance reached 1,263,453 visitors, including 268,400 children in school groups. Most visitors to the Museum were residents of Chicago and the surrounding suburbs: 26.9 % from the City of Chicago, 24.9 % from the surrounding suburbs including Cook, Dupage, Will, Kane, Lake and McHenry Counties, 5.7 % from other Illinois counties, 41.8 % from other states, and 0.7 % international visitors. In 1995, the collections were made available to 2,255 scientific visitors, and 44,145 specimens were loaned to other institutions for research and exhibits.

Serving Chicago—Visits to the Museum are free on Wednesday, and all Chicago school groups, plus all Chicago Park District and other community groups are admitted without charge. In 1995 the Museum distributed c. 52,000 free family passes to Chicago children, including c. 26,000 passes distributed through Chicago Park District summer camps. The Museum also provides free use of facilities for meetings of teachers and staff of the Chicago parks and schools. In 1995, 314,617 Chicago residents visited the Museum. Approximately 60 % entered without charge, including 99,884 Chicago students with school groups.

School Programs and Outreach—School tours remain a major part of Field Museum programs. In 1995, the Museum provided training programs for 988 teachers. The Museum's Community Outreach Program works in city neighborhoods to develop links to community agencies, such as boys' and girls clubs', Y's, branch libraries, preschool and after school day care centers, senior centers, settlement houses, day camps, recreation centers, playgrounds and park programs. In 1995 the Museum collaborated with the Chicago Park District Park Partners Program to present sixty programs at park field houses, and with the Chicago Housing Authority Museum Consortium to present programs in city elementary schools, and to bring more than four hundred children, adults and seniors from eight Chicago Housing Authority sites to the Museum. The Museum's Educational Loan Program sent 5,895 materials and mini-exhibits to 2,559 elementary educators. The Museum is working to expand the number of women and minorities in the sciences through several internal and externally funded internship programs.

Schedule for the Public—The Field Museum is open from 9 a.m. to 5 p.m. daily; closed New Year's Day, Thanksgiving and Christmas. Admission is free for Illinois school groups, teachers, museum members, the active military, and, pursuant to Illinois law, for all visitors on Wednesdays. **The Harris Educational Loan Center** is open six days per week to accommodate community educators. **The Rice Wildlife Research Station, Webber Resource Center of Native Peoples of the Americas, and Africa Resource Center** are open daily, 10 a.m. to 4:30 p.m. The Museum Library is open to the public Monday to Friday, 10 a.m. to 4:30 p.m.

1986 Strategic Plan—In 1985 and 1986, looking to its centennial in 1993 and 1994, the Museum developed a strategic plan - Centennial Directions - that highlighted the dual mission of the Museum - as a research institute and public museum - and recognized the clear need for institutional support services to carry out both missions. As a research institute, the Museum looked to maintain and build its collections, while making them more accessible both for research and public education. It sought to strengthen the Museum's capacity to conduct collection-based research of the highest international caliber, and increase curatorial participation in graduate and undergraduate education. In the public museum, the strategic plan called for an innovative new approach to exhibits that encompassed informal interactive exhibits, major thematic exhibits, and resource centers for in-depth study. This exhibit program paralleled a major marketing initiative as well as expansion of the Museum's school and community outreach efforts. Centennial Directions also sought to increase support for the Museum through targeted constituency development, expanded earned income from increased visitation, and improved food services, visitor services, Museum stores, and special events.

Outcomes of the 1986 Strategic Plan—Resulting from Centennial Directions, the Museum adopted a new organizational structure with four administrative units: Collections and Research, Public Programs, Development, and Finance and Museum Services. A three-year capital campaign raised \$43 million to provide for the Museum's endowment, develop new exhibits and programs, strengthen research capacity, provide necessary building repairs, improve collection facilities, and contribute to operating support. By the end of 1994, the Museum had renewed 139,000 square feet of exhibit space, including several major new exhibits, such as **Egypt, Traveling the Pacific, Africa, Life over Time, Messages from the Wilderness, and What is an Animal?** Three resource centers were established for in-depth study. A variety of new outreach programs were implemented to serve Chicago's neighborhoods, parks and schools. A Visitor Services Program was established to respond more effectively to visitor needs. 56,000 square feet of exhibit space was converted to provide much-needed collections, research and storage space. A new collections facility (28,000 square feet with capacity for compactorization) was constructed. Additions to the research infrastructure included a new scanning electron microscope, a new computing center, biochemistry laboratories, functional morphology laboratory, and paleomagnetism laboratory. Strengthened scientific programs were reflected in increased research productivity and expanded support from the National Science Foundation and other agencies for collections and research. Collaborative research and education programs with area universities and other institutions were expanded. Visitation and earned income were both increased, and the Museum maintained a deficit-free budget.

1992 Strategic Plan—With the 1986 Strategic Plan approaching completion, in 1992 the Museum engaged in a renewed institution-wide program of strategic planning to set a course that would sustain the Museum into the next century. The 1992 Strategic Plan recognizes that to ensure an appropriate and efficient interdisciplinary and integrated approach, the Museum must operate horizontally across traditional and functional boundaries, while maintaining strengths in its areas of specialty. Specifically, the plan calls for: shared concentration on producing superior public service; integrated approaches to learning for the Museum's diverse public; a unifying intellectual theme for all Museum programs; strong curatorial presence in collections, research and public learning; effective processes to provide interdisciplinary programs (among anthropology, geology and biology - within biology - among collections, research and public programs); and mutual respect for the contributions of staff in all areas of the Museum. These fundamental principles are embodied in a new Mission Statement that articulates a vision of a unique institution of public learning concerned with diversity and interconnections, both in nature and among cultures. The initial stages of the 1992 Strategic Plan required changes in organizational structure and procedures, and especially the implementation of a matrix approach.

Implementing the 1992 Strategic Plan—Two interdisciplinary centers - the **Center for Evolutionary and Environmental Biology** and the **Center for Cultural Understanding and Change** - have been established to provide the unifying curriculum and intellectual rallying points for all Museum programs. These centers are not administrative units but cut across all Museum departments to articulate and facilitate a museum-wide approach to basic environmental and cultural issues that confront local and worldwide communities. **The Collections Council** is charged with defining the nature of the Museum's collections and provides a forum for an integrated, museum-wide approach to collection-related issues. **The Science Advisory Council** is charged with articulating the significance of the Museum's research to national priorities (e.g., global warming, biodiversity, conservation, multicultural issues), expanding the Museum's research output and promoting the use of the collections. **The Public Learning Council** is designed to provide an integrated forum for the development of the Museum's public learning agenda that makes effective use of financial and human resources and meets the need to generate increased revenue and produce timely and changing educational exhibits. **The Public Services Matrix** is charged to address a variety of outstanding issues in Visitor Services, Security, Housekeeping and A/V, including improving maintenance schedules and off-site staff training in customer service techniques. It also works to maintain a close working relationship with the Chicago Police Department, the Chicago Fire Department and the Chicago Park District.

A Vision for the Future—An institution is only as strong as its vision of the future and strong vision is the foundation for developing strategies and priorities that guide day-to-day decisions. As The Field Museum enters its second century, the concept of interconnectedness is reshaping society's approach to cultural and environmental issues. To position the Museum for a leadership role in addressing these issues—arguably the central issues of our time—The Field Museum's Strategic Plan calls for us to embrace a new vision and change the way we approach our mission. We are adopting a vision of "connecting" and emphasizing "total habitat" in everything from cultural understanding to endangered species to museum operations. Our vision is of an institution concerned with the interconnections in nature and among cultures. Our vision is of an institution that connects internally across departmental lines to make wise use of collections and human and financial resources. Finally, our vision is of an institution that establishes creative, more vital links with funding sources to gain the financial support required to support its strategy.

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(as of February 19, 1996)

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 Shannon Hackett, Ph.D.....Assistant Curator, Birds
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 John Kethley, Ph.D.....Curator, Insects
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 Peter E. Lowther, Ph.D..... Research Associate, Birds
 Ben Marks, B.S.....Collection Assistant/Preparator, Birds
 Dan Miller, B.S.....Research Assistant, Fishes
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 Harry G. Nelson, S.B..... Adjunct Curator, Insects
 John Ososky, B.S..... Collection Intern
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 John Phelps, M.S.....Technical Assistant, Mammals
 James Pulizzi, B.A.....Verification Assistant, Fishes
 Cassandra Redhed.....Technical Assistant, Amphibians and Reptiles
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 Mary Anne Rogers, M.S..... Collection Manager, Fishes
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 Jodi Sedlock, B.A., B.S.....Research Assistant, Mammals
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CHICAGO WILDERNESS -- A METROPOLITAN CONSERVATION EFFORT

Chicago's explosion into a huge metropolis was possible because of the vast natural resources of the mid-continent but the ecological consequences of Chicago's boom were devastating. The prairies of Illinois have all but vanished. Less than one-tenth of one percent survived the plow. Paradoxically, the best remaining patches of tallgrass prairies and savannas persist right here, in the Chicago region. Some were spared the bulldozer because of the Depression, others survive in old settler cemeteries or along railway rights-of-way. And many remnants owe their existence to the exceptional foresight of planners like Dwight Perkins and Jens Jensen, who promoted the protection of native landscape and the creation of Forest Preserves. Although the high-quality tracts are tiny, and often embedded within Chicago's urban sprawl and heavy industry, prairie and savanna communities respond well to restoration. With the 200,000 acres of publicly owned land around Chicago, large tracts can be restored to pre-settlement conditions and enhance the stability of the smaller patches.

Chicago Wilderness is the culmination of a growing, region-wide concern to promote, preserve and restore our region's rich, globally significant assemblage of native plants and animals. Chicago is on the verge of becoming the first worldwide example of how a large urban community can live compatibly with nature, and so enrich the lives of its citizens. To take *Chicago Wilderness* from dream to reality has required monumental effort and commitment. The Field Museum has played a key role in helping shape and catalyze the effort for this initiative, and in helping assemble 32 agencies and organizations in Chicago, the collar counties and neighboring portions of Wisconsin and Indiana to join forces in transforming the Chicago region into a bioserve and incorporating our rich natural heritage into our culture.

Over the past year, The Field Museum hosted several meetings of the full executive Council of partner institutions (including federal, state and local government agencies, land owners, conservation organizations, and education and research institutions). Through the *Office of Environmental and Conservation Programs*, we have led many working sessions with the Steering Committee, and Science and Education Teams of the Council. Field Museum scientists and educators have played a key role in helping develop and fine-tune the initial projects which will be announce at the kick-off of this landmark initiative, in early spring of 1996. A marketing strategy is being developed to allow this major metropolitan conservation initiative -- a new approach to conservation -- to have its full impact not only locally, but also nationally and around the world.

NATURAL AND HUMAN-INDUCED CHANGE IN MADAGASCAR

The island of Madagascar supports countless species of plants and animals found nowhere else. Yet environmental changes--over several time-scales and under both natural and human controls--have caused the extinction of many species, and even survivors are now at grave risk. To mitigate the calamitous extinction wave now under way in Madagascar and to better understand tropical endangerment generally, we must carefully examine the processes that have shaped the island's landscapes, ecosystems, and cultures, as well as biotic responses to such changes. The Field Museum convened a three-day scientific meeting 2-4 June 1995 to address these issues.

The Chicago meeting brought together an international audience of 350 scientists, students and educators for an interdisciplinary program of public lectures, technical papers, poster sessions and workshops. The symposium focused on environmental degradation and recent extensive plant and animal extinctions in Madagascar. The symposium helped set a research agenda for Madagascar for the next ten to twenty years and provided insight and potential solutions for other endangered ecosystems around the world. Speakers included Elwyn Simons, Duke University; Jean-Aimé Rakotoarisoa, Musée de l'Université d'Antananarivo; Patricia Wright, State University of New York (Stony Brook); and Alison Richard, Yale University. The symposium was attended by more than twenty Malagasy scientists and officials including two officials from the Malagasy Embassy; the Director of the Biodiversity Unit in the Malagasy Water and Forestry Department; five students and one professor from the Ranomafana National Park project; and six students, one professor and the Head of Paleontology from the University of Antananarivo. The symposium program was designed to complement the September 1995 symposium, "Biogeography of Madagascar" held by the Société de Biogéographie in Paris. An article on the subject matter of the symposium was published in the June 16 issue of the journal *Science* (268: 1568-1569).

Several initiatives were undertaken as part of the Museum's follow-up to the symposium: i) eight Malagasy scientists stayed on in Chicago for five weeks to conduct research at the Museum through funding provided by the World Wildlife Foundation, the World Bank, The Field Museum and the MacArthur Foundation; ii) a bilingual abstract book in English and Malagasy was published by Field Museum Press, and includes all fifty-eight of the scientific presentations made at the conference; copies were distributed to all who registered for the meetings, and several hundred copies were distributed to scientists and government officials in Madagascar; iii) papers were assembled for a book that will contain the seventeen invited papers prepared for the conference; and iv) a publication is currently in press in *Fieldiana* that presents a series of papers on the biology of Andringitra National Park in southeast Madagascar. This publication summarizes the results of a multidisciplinary survey organized by Field Museum biologist Steven Goodman, which was funded by the World Wildlife Foundation through a grant from Kreditanstalt für Wiederaufbau.

ADVANCED TRAINING PROGRAM

IN THE CONSERVATION OF BIOLOGICAL DIVERSITY (ATP)

A consortium of The Field Museum, the Chicago Zoological Society, and the University of Illinois at Chicago - Funded by the John D. and Catherine T. MacArthur Foundation

The goal of the Advanced Training Program in the Conservation of Biological Diversity is to provide intensive training in conservation biology for young faculty or equivalent professionals from developing countries, especially in the tropics. By acquiring the tools necessary for assessing and analyzing biological diversity, the participants in this consortium-based program are better equipped to take leadership roles in conservation programs and to direct biodiversity policies in their own countries. The program formally unites The Field Museum, the Chicago Zoological Society and the University of Illinois of Chicago, providing the participants with the unique opportunity to experience and participate in three major types of endeavors in conservation biology.

Participants chosen for this program, all young professionals with significant experience in the field, have already demonstrated that they are committed to using what they learn to help guide conservation programs in their own countries. Because the goal is to have the program serve as a catalyst for action, the program selects only participants who are in a position in their home country to put their knowledge to immediate, effective use. Participants work for a variety of organizations, including universities, museums, parks, non-governmental conservation organizations and governmental wildlife offices.

Participants spend half their time attending lectures, participating in seminars and discussing important publications dealing with conservation and the environment. The curriculum is designed to provide the participants with a broad understanding of the theoretical principles of conservation biology and to illustrate how these principles can be applied in actual conservation programs. While the emphasis of the curriculum is on the scientific aspects of conservation biology, other important aspects, such as economic, political and sociological ones, are also incorporated. Participants gain experience writing grant proposals, and are provided with information on funding for biodiversity research and conservation from U.S. and international organizations.

The other half of their time is devoted to developing a conservation-related project with an individual advisor at one of the three institutions in the consortium. This aspect of the program gives the participants the opportunity to explore areas of conservation important to them. Thus, participants are matched with advisors who are able to provide the expertise needed to help them develop their ideas. Many participants return to their countries and immediately begin implementing these projects; others continue to develop the projects with their collaborators at home.

This three-year program is taking place 1994-96, with two sessions held each year. Eight people from six different countries participated in the Summer 1995 Session, which began on 1 July and ended on 26 August. The Autumn 1995 Session took place from 19 August until 9 December. Five people from four different countries participated in this session. These thirteen people represented a wide range of backgrounds, taxonomic interests and geographical origins. Without exception, the participants enthusiastically stated that their time in Chicago will make them significantly more effective in furthering conservation efforts in their own countries. All felt that they benefitted greatly from interacting with people from all three institutions in the consortium, and left with renewed and heightened determination to take active roles in responding to the environmental challenges being faced by their countries.

The Field Museum also continues to benefit in a variety of ways: by expanding its network of colleagues and collaborators ever more widely in the biologically diverse tropics; by advancing specific projects undertaken by participants and their advisors at The Field Museum; and by using the Museum's collections in creative ways to meet the growing need for information about conservation priorities in

the tropics. As the need for effective conservation grows, so too will the value of The Field Museum's collections for the global community of biologists and conservationists.

ATP Participants in Summer 1995 Session

Laura Guzmán, Mexico: Since 1983, Ms. Guzmán has been a research professor at the University of Guadalajara, where her studies have focused primarily on the taxonomy of macroscopic fungi. She received her master's degree in biology at the National Autonomous University of Mexico in 1994, and her Licenciatura in Biology from the National Polytechnic Institute in 1984. Since coming to the University of Guadalajara, Ms. Guzmán has formed the Laboratory of Mycology, and through her collecting of macrofungi has developed one of the most important mycological herbaria in western Mexico. She will contribute the mycological portion of the Management Plan for several protected areas in Mexico, and she plans to compare the fungal diversity in western Mexico with the diversity in other parts of the country. At the university she also teaches and advises graduate students, and is developing a course in biodiversity and conservation of fungi. Greg Mueller was her individual project advisor.

Natalia Hernández, Colombia: Since 1991, Ms. Hernández has been working at Fundación Puerto Rastrojo, a nongovernmental organization devoted to conservation biology, in Santafé de Bogotá. Ms. Hernández received two bachelor's degrees from Universidad de los Andes, one in biology in 1991 and one in microbiology in 1989. Since receiving her degrees, she has been working in the Colombian Amazon region on several projects related to conservation of protected areas. These projects have been on both botanical and ecological aspects of Amazonian biodiversity. Her most recent project was on identification and description of vegetation in the southeast portion of the Chiribiquete National Park. She is now planning to investigate which trees are used by indigenous peoples near selected protected areas, and how these trees can be used or harvested sustainably. Robin Foster was her individual project advisor.

Esezah Kakudidi, Uganda: Since 1985, Ms. Kakudidi has been a Curator of Botany and Lecturer at Makerere University in Kampala. Ms. Kakudidi received her M.S. in botany in 1984 at the Australian National University, and her B.S. in botany and zoology in 1978 at Makerere University. At the University Herbarium, she is in charge of organizing and conducting plant inventories and botanical research. Her current research projects are on medicinal plants of Uganda and ethnobotany of the Rwenzori Mountain Forest Area. In the Department of Botany she teaches courses in plant taxonomy and systematics, herbarium techniques and ethnobotany. She also supervises several master's students in botany in the Institute of Environment and Natural Resources at the university. The Makerere University Herbarium is being developed into a national herbarium, and will play an increasingly important role in the conservation of biological diversity. Robin Foster was her individual project advisor.

Ma. Eugenia Martínez A., Mexico: Ms. Martínez is the Chief of the Education Department of the Guadalajara Zoo, a position she has held since 1991. She holds a bachelor's degree in biology from the University of Guadalajara. In addition to developing basic education programs at the zoo, Ms. Martínez has been responsible for the organization of training courses in zoo biology and conservation for staff at the zoo. The Guadalajara Zoo works closely with the University of Guadalajara to promote research and improved management of wildlife. Ms. Martínez is interested in investigating the many ways a modern zoo can play a direct role in wildlife conservation, working with researchers active in the field, and how a zoo can educate the citizenry about the importance of wildlife conservation. As a part of the senior staff at a major zoological institution in Mexico, Ms. Martínez is well positioned to take the experiences from the program and put them to use at an advanced level. Cynthia Vernon, Manager of Education Services at Brookfield Zoo, was her project advisor.

Nguyen Cuc Phuong, Vietnam: Since 1989, Ms. Nguyen has been the Biologist at the Hanoi Zoo. She holds a bachelor's degree in biology from Hanoi University and is working towards her master's degree in biology from the same University. At the zoo, she has been responsible for research on and husbandry for primates, including some extremely rare Vietnamese species. Animal husbandry conditions at the

Hanoi Zoo are far from ideal, and they have had difficulty in keeping these valuable animals. The Hanoi Zoo is one of two major zoos in Vietnam, and receives the bulk of government funding. The zoo is a key link in developing cooperative international programs for the conservation of biological diversity in Vietnam. Participation in the training program is enabling Ms. Nguyen to transfer some improved husbandry methods to the zoo and to better utilize research in management of endangered animals. Melinda Pruett-Jones from Brookfield Zoo was her individual project advisor.

Alfred Otim, Uganda: Since 1994, Mr. Otim has been the Game Warden for Kigezi Game Reserve in southwest Uganda. Before taking his present position, he worked for several years with the Impenetrable Forest Project and the mountain gorillas in Bwindi, now a national park. Mr. Otim helped establish a field station there, and participated in the initial survey of the park. He was also involved in several research, training and education programs. For example, he helped establish a cooperative project which aimed to bring new tree-planting, soil- and water-conserving skills and a basic environmental awareness to the people who live around the margins of the forest. This effort involved local and central governments, schools, and the National University. He is now investigating the impact that local communities are having on mammal populations in selected protected areas. Mr. Otim received his formal training at the College of African Wildlife Management at Mweka in Tanzania. Doug Stotz was his individual project advisor.

Paula Procópio de Oliveira, Brazil: Since 1993, Ms. Procópio has been working on a project involving translocation of endangered groups of Golden Lion Tamarins in the Poço das Antas Biological Reserve in Brazil. She began working on the Golden Lion Tamarin Conservation Project in 1989, originally studying the ecology of small mammals in the reserve. In 1993, she received her master's degree based on this work from Universidade Federal de Minas Gerais in Belo Horizonte. Her thesis was entitled, "Plant Succession and the Structure of Small Mammal Communities in Grassy Areas Affected by Fire". In 1984, she received her Licenciatura in Biology from Universidade Católica de Minas Gerais. Ms. Procópio has coauthored several papers and abstracts based on her current and previous work. In her present position, she advises several recently-graduated biologists, and thus can pass on what she has learned about population and habitat viability modeling to the next cohort of conservation biologists in Brazil. Melinda Pruett-Jones and Bob Lacy from Brookfield Zoo were her individual project advisors.

Daniel Rakotondravony, Madagascar: Mr. Daniel is a professor at the Université d'Antananarivo, where he teaches numerous courses in zoology and ecology. He received his doctorate in ecology from the Université d'Antananarivo in 1992, and a graduate degree in the natural sciences in 1981 from the same institution. He has been studying the distribution, ecology and taxonomy of small mammals of Madagascar for over eight years, and has participated in numerous other research projects. One of these projects includes searching for natural products that are toxic to rodent pests. Others have examined the impact of various development projects on mammal populations. Mr. Daniel advises several graduate students at the Université d'Antananarivo, and is incorporating what he learned here into the curriculum at the university. Steve Goodman and Larry Heaney were his individual project advisors.

ATP Participants in Autumn 1995 Session

Washington Ayiemba, Kenya: Since 1994, Mr. Ayiemba has been employed as a research officer by the Kipepeo Project, which is a community-based butterfly-farming project aimed at the sustainable utilization of forest biodiversity for the benefit of people living around the Arabuko-Sokoke Forest. In 1991 Mr. Ayiemba received his B.Sc. in botany and zoology at Egerton University in Kenya. In 1992 he entered the master's program at the University of Nairobi, and he is currently writing up his thesis research on the population and community biology of butterflies of the Arabuko-Sokoke Forest. While here, Mr. Ayiemba learned current methods for monitoring populations and for interpreting data. This will help him in his investigation of the effects of butterfly farming on wild populations. Tim Sullivan and Bob Lacy of the Brookfield Zoo were his individual project advisors.

Tanya Chanard, Thailand: Mr. Chanard is research biologist and chief of the newly created Phluang Wildlife Research Center in the Phluang Wildlife Sanctuary in northeastern Thailand. He received his M.Sc. in forest biology from Kasetsart University in Bangkok in 1988, and his B.Sc. in biology from

Ramkamhaeng University in Bangkok in 1978. Mr. Chanard is responsible for the overall management of the research station, and for developing research programs in the wildlife sanctuary. His own research interests are on the ecology and conservation of reptiles and amphibians, and recently he began a project on frog population monitoring. He has also been involved in a survey of fish in another wildlife sanctuary in Thailand. Mr. Chanard participated in the international workshop on "Monitoring of Amphibian Population in Southeast Asia" organized by Bob Inger and Harold Voris (both Field Museum, Zoology), and he is eager to develop ideas that came out of that workshop. Inger and Voris served as his individual project advisors.

Gabrielle Rajoelison, Madagascar: Since 1992, Ms. Rajoelison has been a lecturer in the Department of Water and Forestry at the University of Antananarivo. She received her graduate education from this university, receiving her Ph.D. in tropical silviculture in January of this year, and her M.S. in forest ecology in 1990. Her most recent research has focused on the structure and dynamics of lowland rainforest in several reserves on the east coast of Madagascar. She has also studied the structure and floristic composition of mangrove forests in the western part of Madagascar and montane forests in the Special Reserve of Ambohitantely. Ms. Rajoelison teaches courses in ecology and biology at the university, and serves as advisor for several students working in two natural reserves. She is incorporating what she learned here into her courses at the university. Tom Poulson from the University of Illinois at Chicago served as her individual project advisor.

Andrew Tuen, Malaysia: Since 1994, Mr. Tuen has been a lecturer in the Faculty of Resource Science and Technology at Universiti Malaysia Sarawak. He received his Ph.D. in 1993 from the University of Agriculture Malaysia, and in 1983 he received his M.Sc. from James Cook University of North Queensland. Within the last two years, Mr. Tuen has started a research program on flying foxes, and recently he began analyzing genetic variability among populations. In the near future he plans to conduct ecological studies to understand the role bats play in the pollination of economically important plants. Since joining the faculty at University Malaysia Sarawak, Mr. Tuen's research interests have turned from livestock nutrition to conservation biology. He is part of a university program created in 1992 to train students in wildlife management and produce a pool of young scientists who are equipped to handle animal management and conservation problems. Joel Brown from the University of Illinois at Chicago served as his individual project advisor.

Ivy Wong, Malaysia: Ms. Wong is enrolled at Universiti Malaysia Sarawak, where she is pursuing a master's degree in the Biodiversity Program. She received her bachelor's degree in fisheries in 1993 at Universiti Pertanian Malaysia. Recently Ms. Wong has participated in a series of biological surveys, including a survey of the fishes of the Rajang River in Sarawak to assess the potential impact of the construction of a hydroelectric dam on the river. Ms. Wong has participated in numerous short-term training programs in Malaysia, including ones at the Brackish Water Research Center and the Malaysia National Zoo in Kuala Lumpur. In addition, while an undergraduate she investigated the biodegradation of crude oil by bacteria. She is interested in developing rapid assessment techniques for fish in freshwater ecosystems. Barry Chernoff served as her individual project advisor.

RAPID ASSESSMENT TRAINING PROGRAM FOR TROPICAL BIOLOGISTS

The Field Museum's growing prominence in providing training for tropical biologists and conservationists took a major step forward in 1995. The Environmental and Conservation Programs (ECP) team -- Robin Foster, Doug Stotz, Tom Schulenberg, Debby Moskovits -- and new curator of birds, John Bates, and colleagues from Conservation International launched the first Rapid Assessment Program (RAP) field training course. RAP training, a collaboration between Conservation International and the Field Museum and funded by USAID (Agency for International Development), is a multi-disciplinary program headed by The Field Museum's ECP office. The course focuses on training local scientists to conduct thorough but time-effective biological inventories in their country and then use the results to produce practical, integrated reports addressing conservation and management priorities.

The RAP training program was designed specifically to translate the successful experiences of the RAP scientists into a practical, short course that will help local biologists conduct important inventories in their countries. The course highlights efficient and innovative biological inventory techniques, stresses how to identify key biological communities in the region, and helps participants translate significant biological findings into accessible recommendations for policy makers.

Thirty young biologists from throughout Bolivia participated in the first, six-week program, which included four weeks in the field and two weeks in the Museo de Historia Natural "Noel Kempff Mercado" in Santa Cruz. Participants included land managers and foresters as well as staff from Bolivian national parks, museums and universities. Museum training centered on improving the participants' expertise both in identifying specimens and in using and producing various tools to facilitate quick identification of plants and animals in the field.

The RAP training course and activities stress the importance of building expertise for carrying out biological assessments, what is involved in becoming an "expert," the use of community and landscape approaches to biological inventories (e.g., evaluation of the study site in context of similar habitats in the region based on satellite images and overflights), and quantitative aspects of inventorying (how much sampling is enough, scale and repeatability of sampling). Participants work in four teams, each of which specializes in a single group of organisms (plants, mammals, birds, and reptiles and amphibians). Specialists in ornithology focus on identifying birds from their calls, and use standardized census techniques (including some mist-netting) to assess the bird communities in different habitats. Another goal of the course is to review how to identify bird species that can serve as good indicators of habitat type and condition. The mammal and herpetology teams use a combination of tracks, calls and trap-and-release methods to sample the animals present in various habitats. The botanists focus on identifying plants from their leaves and stems rather than from flowers and fruits, which occur only seasonally and sporadically. They use this new knowledge to define the different vegetational communities in the area and conduct standardized surveys along environmental gradients such as soil moisture and elevation.

In the final few days of the program, the results of the surveys are combined by the participants into a single, integrated report identifying the important biological communities in the area and highlighting those of key conservation concern. The final document for the Bolivia course, drafted by the participants and finalized by ECP, will be put to immediate use: government and non-government agencies in Bolivia will use the report as the scientific basis for the 5-year management plan of the large, protected area where the course took place (Parque Nacional Noel Kempff Mercado). The second RAP training course is scheduled to take place in Peru in 1996.

BIODIVERSITY EXPLORERS - 1995 SUMMER PROGRAM

In 1995, the Office of Academic Affairs, with support from the Bannerman Foundation, initiated Biodiversity Explorers, an eight week summer internship program that provided high school juniors from the Chicago metropolitan area with hands-on training in the fundamentals of biodiversity and ecology. Through collecting field trips and other educational programs, the students developed laboratory and field skills in a supportive group environment, as they learned about biological diversity in the Chicago area. The program broadened the students' exposure to science, provided them with the opportunity to participate in a research project, and through ongoing opportunities to interact with Museum scientists, it expanded their knowledge of career options in the biological sciences.

The Field Museum invited applications from high school juniors attending public and private schools in the Chicago metropolitan area. Five students participated in the 1995 Biodiversity Explorers program: Elizabeth Salgado (Benito Juarez High School), Ismial Morrar (Kennedy High School), Inkyong (Irene) Lee (Lincoln Park High School), Alexander Janus (Evanston Township High School), and Giang (Monique) Tran (Riverside/Brookfield High School). All are excellent students, several are at the top of their class.

In 1995, the Biodiversity Explorers were affiliated with Greg Mueller's (Associate Curator, Mycology, Department of Botany) local fungi survey project. This research project is examining the effect of air pollution on fungi in the Chicago area. It is using a current survey of midwestern fungi to provide baseline data for comparison to the diversity of fungi represented in the Museum's Chicago-area collections from the turn-of-the-century. The students were trained and supervised by Jack Murphy (Postdoctoral Fellow in Mycology, Department of Botany).

Three times a week the students participated in collecting field trips with Jack Murphy for mushrooms and other macrofungi. Once each week, the students sampled a permanent plot in Cowles Bog, Indiana Dunes National Lakeshore. They also established a second plot nearby, catalogued its vegetation cover, and sampled it for fungi. The students also collected at several other sites in the Chicago area: Harms Woods, Busse Woods, Spears Woods, Wampum Lake, Gibson Woods Nature Preserve (IN), and Deep River Nature Preserve (IN). The students collected nearly two hundred species of fungi. Representatives of each species from each field site will be added to the Museum's permanent collection. The students collected as a group, but each student also chose a particular mushroom genus or family to "specialize" in. The students brought their specimens back to the Museum for processing and preliminary identification. They entered their descriptions and field data into the Museum's midwestern fungi computer database. At the conclusion of the program, each student made an informal presentation to the group on their specialty or on a small project they worked on, such as mushroom development or the diagnostic characteristics of poisonous mushrooms.

While the students worked as a distinct group, they also interacted extensively with the other participants in the local fungi survey project, including other high school students, undergraduate and graduate students, and scientists from Columbia and Mexico participating in the Museum's Advanced Training Program in the Conservation of Biological Diversity. In addition to the field collecting and laboratory work, the students participated in biweekly tours of the collections and met with Museum scientists to learn about the various research programs being conducted at the Museum. The students also attended the lunch time conservation lectures presented by participants in the Museum's Advanced Training Program in the Conservation of Biological Diversity (ATP). As an added bonus to the program, in mid-August, several of the Biodiversity Explorers and Drs. Murphy and Mueller attended the North American Mycological Association (NAMA) meetings in Bemidji, Minnesota. These meetings offered a week-end of collecting forays and lectures, and allowed the students to meet mushroom enthusiasts from throughout North America. Several of the students also have continued working with the project as volunteers on Saturdays.

THE NUVEEN FORUM AT THE FIELD MUSEUM

The Nuveen Forum at the Field Museum is funded in part by a grant from the National Endowment for the Humanities, and is part of the Endowment's National Initiative, "Conversations on Pluralism and Identity in America." The Field Museum and its staff bring a unique perspective to this national endeavor. The Museum's mission, to explore the Earth and its People, places it squarely within the realm of understanding and explaining cultural diversity. The discipline of Anthropology has from its beginnings used a comparative method to understand the origins and nature of cultural similarities and differences. Anthropologists thus bring a wealth of scientific knowledge and a uniquely informed perspective to the discussion of issues of diversity, and its place in American life.

In the Nuveen Forum series, entitled "Teaching Culture and Cultural Teachings: Conversations on Culture and Identity in America", the Center for Cultural Understanding and Change (CCUC) brought together anthropologists, other scholars from the Social Sciences, the Humanities, and the Natural Sciences with civic activists, religious leaders, museum professionals, community members and educators from the Chicago region. The purpose is to converse on themes related to the central questions: What is pluralism in America? What is culture? and What is diversity? A total of nine conversations comprise the event, and four were held in 1995. All events were open to the general public and attendance has been consistently high at all of the events.

Each Conversation uses one of the Museum's exhibits as a starting point and illustrative example about the uses of cross-cultural information and the nature of cultural diversity. The audience is invited to view the exhibit prior to the Conversation. Audience participation in the Conversations is lively and thoughtful. The tone of the Conversations held to date have been engaging, but substantive. An independent evaluation conducted by Dr. Richard Merleman of the University of Wisconsin, Madison, has demonstrated that the audience appreciates the exchange of information and have left the events with a better sense of the complexity involved in the delineation of cultural diversity.

On July 25, the first conversation, "Africa's Meaning for All Americans" brought together a panel of experts to explore connections between cultures, using the Africa exhibit as a text for public discussion. The Conversation was attended by more than 150 members, volunteers, staff, and visitors.

On September 7, the second conversation, "The Creation of National Identity," used The MesoAmerica exhibit and the Aztec (nahua) and Mayan civilizations as an example for discussion of issues of national identity. This second Conversation was attended by an audience of 80-100 members, volunteers, staff, and visitors.

On October 11, CCUC presented the third conversations on American pluralism and identity. "New Voices, Old Themes: Representing Change Over Time," explored the relationship between cultural continuity and change, using the MesoAmerica and Asia exhibits as examples for discussion.

On November 9, the panel and audience discussed, "Building Collaborative Relationships with Indigenous People," exploring how researchers and educators may build partnerships with indigenous communities. The latter two conversations were offered as morning sessions and attracted an audience that included museum professionals and educators from several Chicago institutions.

At the end of the series, CCUC will produce a brochure for the Museum which will highlight some of the Conversations' main themes, and encourage visitors to "Have a Conversation" as they view the cultural exhibits. Additionally, we hope to produce a book for general audiences on the nature of cultural diversity and its implications for American pluralism.

NATIVE AMERICAN COLLECTIONS AT THE FIELD MUSEUM

Since 1989 The Field Museum has embarked on a program to build new kinds of positive working relationships with the Native people represented in its exhibits and collections. The program consists of three parts: Native American internships; arranging and hosting visits by Native American tribal representatives; and working with tribes on the issues surrounding the Native American Graves Protection Repatriation Act (NAGPRA).

Interns are exposed to different aspects of museum work in the Anthropology Department, including work with archives, records and collections. When possible they work with materials from their respective tribes, and a primary goal of the program is to develop comprehensive inventories of materials from each tribe represented in the collection. This year interns from the Hopi and Arapaho are working in the Museum, supported by grants from the National Park Service. A Tlingit scholar is also working on Tlingit and Alaskan material.

Tribal visits are another important aspect of The Field Museum's repatriation program. In the course of the past year representatives have come from the Confederated Tribes of the Umatilla, Devil's Lake Sioux, Ounalaska Corporation, Winnebago Tribe of Nebraska, Sac and Fox Nation, and the White Mountain Apache.

The Department of Anthropology has also been actively engaged in matters directly related to federal NAGPRA legislation. The Field Museum has sent to tribes across the United States inventories of affiliated human remains as well as summaries of related ethnographic collections.

COMMUNITY CENTER ON THE ISLAND OF THE SUN, BOLIVIA

The Island of the Sun is one of the great natural and cultural monuments of the world. Located in the southern side of Lake Titicaca in the Andean nation of Bolivia, the Island's unique high altitude environment includes more than 150 ancient settlements. During the Inca Empire around the 15th -16th centuries AD, the Island of the Sun was the final destination of a great ritual pilgrimage that began from sacred areas from all around the empire. Archaeological evidence suggests that the sacred nature of this sanctuary goes back at least to the Tiwanaku Empire in the 5th - 11th centuries AD. Prior to this time, humans first landed on the island as early as 1800 BC, and continuously lived there for almost four millennia.

In 1994, a team of scientists, including Curator Charles Stanish began an archaeological research program on the island. The scientific goals centered on defining the human use of the island through time, including the use of the island as ritual sanctuary. The team was also interested in using the island as a laboratory to understand the impact of humans on the environment, and the impact of environmental change on the ecology and human land use of the island. While the Island of the Sun is famous as an Inca temple location, it also provides a unique opportunity to study long term processes of human and environmental interaction. In 1994 and 1995, the scientific team discovered about 175 archaeological sites, and excavated six of these. It discovered human settlements from at least 1800 BC, and documented a substantial human impact on the environment.

The scientific team plans to continue working on the island for many years. The island is divided into three modern communities: Yumani, Challa, and Challapampa. It is difficult to know precisely how many people live full time on the island, as many families now own houses and businesses in La Paz, Bolivia's thriving and modern capital city, and Copacabana, the beautiful Colonial town on the shores of the lake two to three hours away by boat.

In order to facilitate this research, the project agreed with the local Aymara peoples who own and inhabit the island to build a community and research center. The people in the community of Challa, in the middle of the island, agreed to build a three-building research center. The project provided the supplies, and the community provided the labor. In September of 1995, the community and research center was inaugurated. It is composed of two large buildings that will serve as small museum, a center for community services, and a place that may be used for housing, storage, and laboratory work. The project also plans to provide educational programs to the community concerning archaeology, history and biological conservation with an eye toward developing a viable ecotourism program. Such a program would be directed toward the preservation of the valuable natural and cultural heritage of the island.

The community center is owned and operated by the people of Challa and is available for the team's use on the project, and may also be used by other Field Museum scientists conducting research. The building of the center will permit scientists to continually conduct research for years to come in this very important area of the world.

TRAINING PROGRAMS 1995

The Field Museum provided a broad range of formal and hands-on training in collections-based research to high school, undergraduate and graduate students and young professionals during 1995. Building on the Museum's core subject matter in Cultural Understanding and Change, and Evolutionary and Environmental Biology, these programs meet a variety of needs—from encouraging young students to consider a career in the sciences; providing training to minority and women undergraduates – two groups under-represented in the sciences; to training young professionals from developing countries so they may have a greater impact on conservation programs at home. The brief synopsis below provides an overview of 1995 training activities.

Advanced Training Program in the Conservation of Biological Diversity (ATP). This collaborative effort between The Field Museum, Brookfield Zoo, the University of Illinois at Chicago and the Shedd Aquarium, funded by the MacArthur Foundation, provides intensive training in conservation biology for young faculty or equivalent professionals from developing countries, especially in the tropics.

Biodiversity Explorers Internship Program. Through this new program, funded by the Bannerman Foundation, five high school juniors worked at the Museum for eight weeks in a summer program of field and laboratory work, lectures and tours. The program was designed to introduce exceptional high school students to the biological sciences as a career choice. This summer the interns worked in the Department of Botany's fungal survey program, collecting macrofungi (mushrooms and their allies) on field trips to the Indiana Dunes and the Cook County Forest Preserves, and using the results to examine environmental change.

Training for Undergraduates in Collections-Based Analyses of Biological Diversity. This internship program designed to train woman and minorities in collections-based analysis of biological diversity and to assist them in going on to graduate school. This four year National Science Foundation-funded program will provide training for three cohorts of five undergraduate students to participate in two-year programs. This year the Museum is in the second phase of the program and has nine students participating in a full-time summer program of research, seminars, lectures, study group meetings and tours. Each student works closely with a Field Museum scientist – working with the collection specimens and developing and conducting a research project that will culminate in a published research paper.

Field Museum Scholarship Fellowships. Each year The Field Museum supports seven three-month internships for undergraduate students and recent graduates to work directly with scientists at The Field Museum. The interns work on a variety of research projects, and this year worked on projects such as researching the occurrence of head trophies and head trophy iconography in pre-Columbian burials, textiles, ceramics, and architectural monuments in the Andes; cataloging and processing objects collected during the 1993-94 A. B. Lewis Project expedition; assisting with a detailed study of the African archaeological and ethnographic collection at The Field Museum; assisting with the archaeology project on the Sepik Coast of New Guinea; examining the mechanical design of rowing and flying movements in the fins of labrid fishes; and completing a statistical analysis for a geographically widespread species of plant, *Lobelia laxiflora*.

Wood Internship. This new twelve week summer internship provides support for one Chicago area high school student. Funded by a new endowment, this program allows one junior or senior high school student to work in the collections area of his or her choice. This year's intern, a senior, worked in the Mammal collection and the Mammal Preparation Laboratory.

Prince Visiting Scholars Fund. Prince Visiting Scholars Fund provides support to recruit and train women and minority interns at the secondary and college levels. Five interns participated in CCUC programs that included assisting with the Museum's Collaborative Kinship and Adoption Project, conducting ethnographic fieldwork on adoption in Chicago, conducting front end research on urban issues in Chicago for the exhibit, "Living Together," assisting with the development of the Museum's Nuveen

Forum Conversations, and working with Anna Roosevelt (Anthropology) to analyze material collected during field work in the Amazon.

Field Museum Native American Internship Program. Since 1990 The Field Museum has offered internships for Native American students to work with the Museum's Native American collections. The interns assist with the Museum's repatriation project, inventory individual tribal collections, conduct research to respond to repatriation and other correspondence requests, and assist with visits of Native Americans to The Field Museum collections. Two interns are currently working at the Museum. One is conducting an inventory of the Sioux material in the Museum's collection and the other is working with the Museum's Potawatomi and Ho-Chunk collection.

NEA Conservation Internship. In 1995 this internship supported one one-year advanced conservation internship in the Conservation Division of the Anthropology Department through a program funded by the National Endowment for the Arts. The intern is focusing on the conservation of selected ethnographic materials in the Museum's Anthropology collection.

Botanical Database Construction and Information Management Techniques for Herbaria. This post-graduate course taught by Michael O. Dillon at the Computation Laboratory of the Universidad Privado Antenor Orrego (UPAO), where he is a Visiting Professor, was attended by over thirty participants from throughout Peru. An important element of this course was the role of information technology in decision-making on issues related to the biodiversity crisis.

Training in Conservation Biology in East Africa. Wendy Jackson, Coordinator of the Museum's Advanced Training Program in the Conservation of Biological Diversity ("ATP"), made a month-long trip to Kenya in May, where she and Gitogo Maina, a participant in the Summer 1994 ATP program and a lecturer in the Department of Wildlife Management at Moi University organized a training program in conservation biology for first-year Master's students in Wildlife Management at the university. The program included seminars, and field training at Kakamega Forest in western Kenya. Jackson, Maina and the rest of the team began several pilot studies to document the effects of habitat destruction and fragmentation on the birds, small mammals and amphibians at Kakamega. Kakamega Forest, which was declared a National Reserve in 1985, is a remnant of the once vast tropical rain forest that stretched across equatorial Africa, and is home to many species found nowhere else in Kenya. The existing remnants are under immediate threat by the rapidly increasing human population in the area.

Rapid Assessment Training Program in Bolivia. The Environmental and Conservation Programs (ECP) team - Robin Foster, Doug Stotz, Tom Schulenberg, Debra Moskovits - and new curator of birds, John Bates - spent several weeks in Bolivia, where they and colleagues launched the first Rapid Assessment Program (RAP) field training course. This Conservation International/Field Museum collaboration, funded by AID (Agency for International Development), is headed by Field Museum's ECP office. The course focused on training local scientists to conduct thorough but time-effective biological inventories in their country and then use the results to produce practical, integrated reports focusing on conservation and management priorities. Thirty biologists from different regions of Bolivia participated in the 6-week program, which also prepared a report to be used by government and non-government agencies as the basis for their 5-year management plan of the large, protected area where the course took place (Parque Nacional Noel Kempff Mercado). A film crew from the BBC filmed RAP Team members as part of a television program in their Horizon series on the biodiversity crisis.

Monitoring Fungal Diversity. In October, Greg Mueller (Botany) organized and moderated a workshop entitled "Measuring and Monitoring Biological Diversity: Standard Methods for Fungi" held in Beltsville, MD. Approximately sixty-five participants, from five countries, attended including Qiuxin Wu, Sabine Huhndorf (both Botany), and John Paul Schmit (Botany and University of Chicago). This workshop was part of a project to produce a set of standardized protocols for measuring and monitoring the diversity of fungi in ecosystems. The results will be assembled into a readily available source book for researchers throughout the world, that will be published in the Measuring and Monitoring Biological Diversity Series being published by the National Biological Service and the National Museum of Natural History. Support for this workshop was provided by grants to The Field Museum from the U.S. Department of Interior, National Biological Service; USDA, Forest Service, Pacific

Northwest Research Station, Portland, OR; and USDA, Forest Service, Forest Products Laboratory, Madison, WI.

Partnership for Enhancing Expertise in Taxonomy (PEET). The Department of Botany was awarded funding from the National Science Foundation for its grant proposal to the Systematic Biology Panel of the National Science Foundation, submitted by Sabine Huhndorf (Botany). This grant will provide funds over the next five years to support training and research in Ascomycete fungi (Ascomycetes include many economically important fungi including yeasts or molds). Work conducted under the grant will include field collecting, herbarium studies, and biochemical analyses.

University of Chicago, University of Illinois Northwestern University Undergraduate and Graduate Training. Staff from Academic Affairs continue to lend their expertise to both undergraduate and graduate instruction at area universities. Many Field Museum staff taught undergraduate courses and graduate seminars during 1995, and also participated extensively as graduate student advisors and committee members.

THE COMMITTEE ON EVOLUTIONARY BIOLOGY

The Committee on Evolutionary Biology (CEB), is an unique collaboration between a major research and teaching university (University of Chicago) and a major free-standing museum (The Field Museum). The Committee on Evolutionary Biology is one of eight interdisciplinary, doctoral degree granting programs in the Division of Biological Sciences of the University of Chicago. The Committee emphasizes creative, independent thinking in its students and fosters broad scientific interchange among faculty and students. The Committee does not appoint primary faculty of its own, but instead brings together faculty from eight academic departments at the University (spanning all four graduate divisions), The Field Museum, Brookfield Zoo and Argonne National Laboratory. Faculty and student interests in the Committee on Evolutionary Biology span a remarkable array of fields and approaches, ranging from applied ecology to basic mathematical modelling of ecosystems, and incorporating systematics, paleontology, functional anatomy, molecular evolution, ecology, conservation biology and more. CEB is widely acknowledged as a preeminent Ph.D. training program, placing the Chicago area among the best locations to study evolutionary biology.

Field Museum curators are actively involved in the Committee on Evolutionary Biology graduate training program. The largest number of CEB faculty, nineteen of the fifty-seven faculty members (33%), are from The Field Museum-- with faculty participation from all the most relevant departments at the University (seventeen from Ecology and Evolution, seven from Organismal Biology and Anatomy, five from Geophysical Sciences). In recognition of the active participation of Field Museum staff, in July the University of Chicago formally appointed a Field Museum curator, John Flynn (Geology), as Associate Chair of the Committee to work with CEB Chair Jeanne Altmann. The breadth of institutions contributing faculty, a spirit of cooperation, the outstanding quality of its students, and the explicit directive to build on disciplinary strength while pursuing multidisciplinary science all combine to make CEB the success it is.

Scholarly Achievement: The University of Chicago had the highest ranking graduate programs in "Ecology, Evolution, and Behavior" (first in "Scholarly Quality" and second in "Teaching Effectiveness" from a comparison of 274 universities; based on the Committee on Evolutionary Biology and departmental programs) in a recent rating of the best graduate schools in the U.S.

- CEB and the Department of Ecology and Evolution provide the core of these programs.
- This was the only biological or physical science program at Chicago ranked number one.
- This 740 page report was prepared by a congressional council (National Research Council of the U.S. National Academy of Sciences). Rankings look at reputation of the program among academic peers, faculty publication numbers and significance, length of time to student graduation, and other academic information.

Student Quality and Success: CEB students have been exceptionally successful in meriting awards from professional societies, research agencies, and philanthropies. A remarkable 33% (eleven of thirty-three) of current CEB students have received prestigious, exceptionally competitive National Science Foundation predoctoral fellowships. CEB has graduated more than fifty Ph.D's since it was founded. It has had an excellent track record of placing students in faculty and scientific positions at major universities and museums. Some recent examples include:

- Graduates hold faculty positions at many of the finest universities in the world, including the University of Chicago, Brown University, University of California (UCLA, UC-Davis, UC-Santa Barbara), Northern Arizona State University, Northwestern University, University of Texas, University of Kansas, Oxford University (Great Britain), McMaster University (Canada), and University of Sydney (Australia).
- Scott Stepan (CEB, Field Museum, Zoology)- the Ernst Mayr Award for Best Student Paper at the 1995 Annual Meeting of the Society for the Study of Evolution; Kate Kelley (CEB, Field Museum, Zoology) was awarded a Best Student Paper prize at the Entomological Society of America 1995 annual meetings.
- Melinda Brady (CEB, Field Museum, Geology)- won two prestigious predoctoral fellowships in 1994, from the Howard Hughes Foundation and the National Science Foundation.

- Melissa Morales Cogan (CEB, Field Museum, Zoology) won a 1994 Ford Foundation fellowship. Melissa also is a former Field Museum Collections Assistant (Zoology, Mammals), and she continues to participate in museum mentoring programs for urban and underrepresented minority youth.
- The Field Museum's new Office of Environmental and Conservation Programs is staffed by four Ph.D. scientists trained at the University of Chicago, including its Director (Debra Moskovits, Biology 1985), Douglas Stotz (CEB 1990) and Thomas Schulenberg (CEB 1995).

Training: In 1994 the faculty of CEB began a five-year, one-half million dollar National Science Foundation funded graduate training program in Environmental Biodiversity. This is the first federal training grant received by CEB, marking growing awareness of the scientific and public-policy significance of evolutionary, environmental, and biological diversity studies. The steering committee is chaired by John Flynn, and four of five current trainees center many of their research activities at The Field Museum.

- Field Museum curators serve as thesis advisors, or Ph.D. committee members, for some twenty CEB students (and numerous other University of Chicago graduate students in departmental Ph.D. programs) every year. Of these, typically six to ten are housed at and are pursuing much of their primary research in the collections and laboratories at the Field Museum.
- CEB faculty teach a large majority of the undergraduate courses in Biological Sciences at the University of Chicago, including most of the fundamental "core courses."
- Museum curators teach an introductory course for all CEB students, "Research at the Field Museum," as well as at least eight other courses each year at the University of Chicago.

COMMITTEE ON EVOLUTIONARY BIOLOGY FACULTY - ACADEMIC YEAR 1995

Chair: Jeanne Altmann, University of Chicago

Associate Chair: John Flynn, The Field Museum

The Field Museum

J. William O. Ballard
Rüdiger Bieler
John R. Bolt
Barry Chernoff
Peter R. Crane
Michael Dillon
John Flynn
Lance Grande
Lawrence Heaney
John B. Kethley
Scott Lidgard
Gregory M. Mueller
Matthew Nitecki
Bruce Patterson
Olivier Rieppel
William Turnbull
Janet Voight
Harold K. Voris
Mark Westneat

University of Chicago

Anthropology
Russell Tuttle
Ecology and Evolution
Jeanne Altmann
Stevan J. Arnold
Joy Bergelson
Brian Charlesworth
Deborah Charlesworth
Jerry Coyne
Martin Kreitman
Matthew Leibold
Thomas Nagylaki
Cathy Pfister
Stephen Pruett-Jones
Ellen Simms
Janice Spofford
Leigh Van Valen
Michael J. Wade
J. Timothy Wootton
Chung-I Wu

Geophysical Sciences

Michael J. Foote
David Jablonski
Christine Janis
Susan Kidwell
J. John Sepkoski

History

Robert J. Richards

Obstetrics and Gynecology

Carole Ober

Organismal Biology /Anatomy

Andrew Biewener
Douglas Crawford
Martin Feder
James Hopson
Michael LaBarbera
Eric Lombard
Mark Martindale
Paul Sereno

Philosophy

William Wimsatt

Psychology

Martha McClintock

Argonne National Laboratory

R. Michael Miller

Brookfield Zoo

Robert Lacy
George Rabb

JOINT FIELD MUSEUM-UNIVERSITY OF ILLINOIS AT CHICAGO

PH.D. PROGRAM IN ANTHROPOLOGY

In 1987 discussions were initiated concerning the possibility of the Field Museum's Anthropology Department working more closely with its counterpart at the University of Illinois at Chicago (UIC). The anthropology faculty at both institutions were strong and their location in an urban center presented an opportunity to engage an unusually wide spectrum of ethnic and social groups in anthropological research. UIC lacked qualified teachers in some areas of anthropology, authority to grant Ph.D. degrees, and routine access to museum collections as subjects for learning and research. The Field Museum had the opportunity to benefit from increased interaction with students, access to additional laboratory facilities, and interactions with faculty having expertise in areas not covered by its own specialists.

Discussions between the institutions continued over the next seven years, and resulted in UIC's anthropology department requesting authority from the University and the State of Illinois to set up a full Ph.D. program. Close cooperation with the Field Museum was offered as a primary reason why such a program would be successful and could fill a unique niche in the world of university education. The Field Museum and UIC together would also be ideal partners for programs and research aimed at an ethnically diverse urban community.

In January 1995 the Illinois Board of Higher Education granted final permission for the program to be established. The Field Museum's anthropology curators have adjunct professor status at UIC, and interested anthropologists at the University have adjunct curator status at the Field Museum. Faculty of both institutions serve jointly on admissions committees for students and on search and promotion committees for teaching and curatorial staff. Curators began teaching on a regular basis at UIC two years ago, and the first UIC-initiated student research projects at the Museum were implemented in 1994. Courses in museum studies, begun in 1993, will be expanded over the next few years.

The Field Museum Department of Anthropology will continue to maintain close ties with other Chicago-area universities, and Field Museum anthropologists will continue to be adjunct faculty at several of these institutions. Students from a variety of area universities will continue to work as interns in the Museum. However, the new collaborative effort with UIC means the Museum will play a more central role in communications among anthropologists in the Chicago area and can help to redefine what anthropology can do to address current social and environmental problems.

PARTICIPATING FACULTY 1995

The Field Museum

Ben Bronson
Jonathan Haas
Chapuruka Kusimba
Anna Roosevelt
Charles Stanish
John Terrell

University of Illinois at Chicago

Brian Bauer
Robert L. Hall
Paul Hockings
Lawrence H. Keeley
James L. Phillips
Jack H. Prost

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(publications with 1995 dates-excluding abstracts)

DEPARTMENT OF ANTHROPOLOGY

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J. W. O. Ballard

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(with W. D. Newmark, W. T. Stanley, and K. Howell) The Ambangulu Forest, West Usambara Mountains, Tanzania: A. Threatened Eastern Arc forest Oryx 29(3): 212-214.

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(with W. D. Newmark, S. M. Goodman and K. Howell) The Ambangulu Forest, West Usambara Mountains, Tanzania: A. Threatened Eastern Arc forest Oryx 29(3): 212-214.

(with K. E. Shaffer) Harbor Seal (*Phoca vitulina*) Predation on seined salmonids in the Lower Klamath River, California. Marine Mammal Science 11(3) 376-385.

Margaret K. Thayer

(with A. F. Newton, Jr.) Protopselaphinae new subfamily for *Protopselaphus* new genus from Malaysia, with a phylogenetic analysis and review of the Omaliine Group of Staphylinidae including Pselaphidae. Pp. 219-320. In: J. Pakalukand and S. A. Slipinski (eds.), Biology, Phylogeny, and Classification of Coleoptera: Papers Celebrating the 80th Birthday of Roy A. Crowson. Muzeum I Instytut Zoologii PAN, Warsaw.

(with A. F. Newton, Jr.) Comment on the proposed conservation of *Aspidiphorus* Ziegler in Dejean, 1821 (Insecta, Coleoptera) as the correct original spelling, and the placement of Aspidiphoridae Kiesenwetter, 1877 (1859) on the Official List (Case 2918; see BZN 52: 44-47). Bulletin of Zoological Nomenclature 52: 264-266.

Janet R. Voight

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Harold K. Voris

(with H. H. Voris) Commuting on the tropical tides: The life of the yellow-lipped sea krait. Ocean Realm. April: 57-61.

(with R. F. Inger) Frog abundance along streams in Bornean forests. Conservation Biology 9(3): 679-683.

(with M. M. Key and W. B. Jeffries) Epizoid bryozoans, sea snakes, and other nektic substrates. Bulletin of Marine Science 56(2): 462-474.

(with W. B. Jeffries) Predation on marine snakes: A case for decapods supported by new observations from Thailand. Journal of Tropical Ecology 11(4): 569-576.

Mark W. Westneat

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David Willard

(with S. Goodman and P. Gonzolas) The birds of Sibuyan Island, Romblon Province, Philippines, with particular reference to elevational distribution and biogeographic affinities. Fieldiana Zoology, n.s. 82: 1-57.

ACTIVE GRANTS, 1995

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson

National Endowment for the Humanities: "Upgrade of the Anthropological Storage Facilities" \$783,310 PH-20508-92 (1992-1997) (with J. Haas and C. Sease).

Chiang Ching-kuo Foundation: "The Early Ceramic Economy of Southern Fujian" \$119,972 (1994-1997) (with C. Ho).

Christine Gross

National Endowment for the Arts: "Reorganization of African and Pacific Ethnographic Specimens" \$18,400 94-4432-0190 (1994-1995).

Jonathan Haas

National Endowment for the Humanities: "Upgrade of the Anthropological Storage Facilities" \$783,310 PH-20508-92 (1992-1997) (with B. Bronson and C. Sease).

National Park Service: "Consultation with the Hopi Tribe" \$62,075 17-95-GP-051 (1995-1996) (with J. Klein).

National Park Service: "Consultation with the Northern and Southern Arapaho Tribes" \$44,710 17-95-GP-050 (1995-1996) (with J. Klein).

Chuimei Ho

Chiang Ching-kuo Foundation: "The Early Ceramic Economy of Southern Fujian" \$119,972 (1994-1997) (with B. Bronson).

Janice Klein

National Park Service: "Consultation with the Hopi Tribe" \$62,075 17-95-GP-051 (1995-1996) (with J. Haas).

National Park Service: "Consultation with the Northern and Southern Arapaho Tribes" \$44,710 17-95-GP-050 (1995-1996) (with J. Haas).

Anna Roosevelt

National Endowment for the Humanities: "The Developmental Sequence at Santarem on the Lower Amazon, Brazil" \$250,000 RO-22319 (1991-1995).

Catherine Sease

National Endowment for the Humanities: "Upgrade of the Anthropological Storage Facilities" \$783,310 PH-20508-92 (1992-1997) (with B. Bronson and J. Haas).

National Endowment for the Arts: "Post-Graduate Internship Program in the Conservation of Ethnographic Works of Art" \$18,000 94-4431-0265 (1994-1995).

Charles Stanish

Wenner-Gren Foundation for Anthropological Research: "The Island of the Sun Archaeological Project" \$8,500 5897 (1995).

John Terrell

National Science Foundation: "The Archaeology of Exchange Networks" \$78,912 SBR-9506142 (1995-1997).

Alaka Wali

National Endowment for the Humanities: "A National Conversation on Pluralism and Identity in America" (\$40,000) GS-20006-95 (1995-1996).

Robert L. Welsch

National Endowment for the Arts: "Art of the Papuan Gulf", Catalog grant to Hood Museum of Art, Dartmouth College.

DEPARTMENT OF BOTANY

Michael O. Dillon

National Science Foundation: "Collection Service Activities Support for the Field Museum Herbarium," \$130,000 DEB-9407152 (1994-1999) (with C. Niezgoda).

John Engel

National Science Foundation: "Curatorial Support for the Field Museum Herbarium," \$904,951 BSR-9021960 (1991-1995) (with C. Niezgoda).

National Geographic Society: "Investigations on the Hepatic Flora of New Zealand" \$12,444 (1994-1996).

Sabine M. Huhndorf

National Research Council Research Associateship, USDA-FS: "Host Specificity of Wood-Inhabiting Ascomycetes at El Verde Field Station, Puerto Rico" \$38,700 (1995-1996).

National Science Foundation: "Studies in the Lasiosphaeriaceae. Monographs of Two Key Genera and Family-Level Phylogeny (Fungi, Ascomycetes, Sordariales)" \$705,365 DEB-9521926 (1995-2000).

Gregory M. Mueller

National Science Foundation and U.S. Agency for International Development: "Agaricales of Costa Rican *Quercus* Forests" \$401,018 DEB-9300798 (1993-1997) (with R. E. Halling).

National Institutes of Health, Fogarty International Center: "Screening Costa Rican Macrofungi for Bioactive Compounds: Fungi of the Guanacaste Conservation Area" \$100,000 NIH 1 R03 TW00732-01 (1995-1997).

National Science Foundation: "Studies in the Lasiosphaeriaceae. Monographs of Two Key Genera and Family-Level Phylogeny (Fungi, Ascomycetes, Sordariales)" \$705,365 DEB-9521926 (1995-2000) (senior associate; awarded to Sabine Huhndorf).

USDA Forest Service Pacific Northwest Research Station: "Measuring and Monitoring Biological Diversity: Standard Methods for Fungi" \$10,000 PNW 95-0786 (1995-1996).

USDA Forest Service Forest Products Laboratory: "Measuring and Monitoring Biological Diversity: Standard Methods for Fungi" \$10,000 95-RJVA-2610 (1995-1996).

U.S. Department of the Interior, National Biological Service: "Measuring and Monitoring Biological Diversity: Standard Methods for Fungi" \$6,000 Contract no. 84069-5-2615.

Christine Niezgoda

National Science Foundation: "Collection Service Activities Support for the Field Museum Herbarium," \$130,000 DEB-9407152 (1994-1999) (with M. Dillon).

National Science Foundation: "Curatorial Support for the Field Museum Herbarium," \$904,951 BSR-9021960 (1991-1995) (with J. Engel).

Djaya D. Soejarto

National Cancer Institute: "Plant Collections and Taxonomy - Southeast Asia" \$1,349,797 (1991-1996).

Program Resources, Inc.: "Field Studies on *Calophyllum lanigerum* var. *austrororiaceum* and *C. teysmannii* var. *inophylloide* (Guttiferae)" \$29,081 (1993-1996) (graduate student research).

Glaxo Group of Companies: "Worldwide Acquisition of Plant Materials for Biological Screening" \$1,353,000 (1993-1996).

MacArthur Foundation: "Collaborative Studies on Potential Medicinal Value of Plants of the Cuc Phuong National Park (Vietnam) Towards Their Sustainable Utilization and Conservation" \$280,000 (1994-1997) (Principal Investigator of counter-part institution - Program for Collaborative Research in Pharmaceutical Sciences, University of Illinois at Chicago; awarded to National Center for Science and Technology, Hanoi, Vietnam).

Health, Food and Conservation Foundation: "Ethnobotanical Studies of the Achuars of Amazonian Ecuador" \$10,000 (1995-1996) (graduate student research).

Program Resources, Inc.: "Pilot cultivation of *Calophyllum lanigerum* var. *austrororiaceum* and *C. teysmannii* var. *inophylloide* (Guttiferae)" \$29,482 (1993-1996).

Qiuxin Wu

Chinese Academy of Sciences, Systematic Mycology and Lichenology Laboratory: Comparative studies on macrofungi of China and eastern North America, support for travel and field expenses (1996-1997).

DEPARTMENT OF GEOLOGY

John R. Bolt

National Science Foundation: "Mississippian Fossil Tetrapods from Midcontinental North America and Early-Tetrapod Phylogeny" \$119,996 DEB-9306294 (1993-1995) (with R. E. Lombard).

Gregory A. Buckley

National Science Foundation: "Late Cretaceous Vertebrates from Madagascar: Implications for the Plate Tectonic and Biogeographic History of Gondwana" \$187,000 EAR-9418816 (1995) (with D. W. Krause, C. C. Forster, P. Dodson and M. D. Gottfried).

Peter R. Crane

National Science Foundation: "Training for Undergraduates in Collection-based Analysis of Biological Diversity" \$164,369 DEB-9317449 (1994-1998) (with P. Sierwald).

Department of Commerce: Telecommunications and Information Infrastructure Assistance Program "NATUREnet: A Nine Museum Consortium" \$19,000.

Institute of Museum Services: "General Operating Support for The Field Museum" IG-50722 \$112,500.

John J. Flynn

National Science Foundation: "Collaborative Research: New Paleogene Mammal Faunas from the Andean Main Range, Chile" \$156,000 DEB-9317943 (1994-1996).

National Geographic Society: "A new middle Cenozoic mammal fauna from the Chilean Altiplano" \$19,300 5371-94 (1994-1996) (with R. Charrier, A. Wyss, C. Swisher).

Lance Grande

National Science Foundation: "Systematics, Ontogeny, Osteology and Historical Biogeography of Living and Fossil Bowfins (Actinopterygii: Amiiformes)" \$226,638 DEB-9119561 (1992-1995) (with W. Bemis).

National Science Foundation: "Comparative Embryology of the Adenohypophysis of Actinopterygian Fishes" \$265,000 DEB-9220938 (1993-1996) (with W. Bemis).

Lawrence Grossman

National Aeronautics and Space Administration: "Emergency Funding for an Interim Curator of Meteorites" \$79,898 NAGW-2728 (1992-1995).

Scott Lidgard

National Science Foundation: "Relating Zooid and Colony Growth in Modular Organisms: Arborescent Cheilostome Bryozoans" \$169,999 DEB-9306729 (1993-1996).

Matthew Nitecki

National Geographic Society: "Fossil Sponges and Receptaculitid Algae, Ordovician Reefs, Yangtze Gorge, Hubei, China" \$5,325 NGS 5342-94 (1994-95).

Olivier Rieppel

National Science Foundation: "The Invasion of the Mesozoic Sea: Systematics, Paleobiogeography and Paleoecology of Stem-Group Sauropterygia (Reptilia, Diapsida)" \$120,000 DEB-9419675 (1995-1997).

John D. And Catherine T. MacArthur Foundation: "A proposal for a collaborative training program for Malagasy students at the Field Museum," \$34,500 (1995) (with B. D. Patterson and S. M. Goodman).

DEPARTMENT OF ZOOLOGY

J. W. O. Ballard

National Science Foundation: "Renovation of Biochemistry Laboratories and Instrumentation Acquisition." \$151,356 STI-9214446 (1993-1995) (replacing John Hall).

National Science Foundation: "Acquisition of Automated DNA sequencer." \$80,824 BIR-9419732 (1995-1996)(replacing John Hall).

Rüdiger Bieler

National Science Foundation: "Inter-Relationships of the Major Gastropod Clades: Mathildidae and the 'Lower Heterobranchs' (Mollusca)" \$80,000 DEB-9318231 (1994-1997).

Smithsonian Marine Station: "Visiting Scientist Fellowship; Travel and Use of Vessels and Laboratory Facilities" (1995).

Barry Chernoff

National Science Foundation: "Verification of Computer Database for the Ichthyological Collection of the Field Museum" \$181,000 DEB-9407568 (1994-1997) (with M. Westneat and M. A. Rogers).

W. Alton Jones Foundation: "AQUARAP: Rapid Assessment of Aquatic Ecosystems" \$70,000 (1995-1996) (with D. Moskovits and A. Forsythe).

Steven M. Goodman

National Geographic Society: "Biogeography of Small Mammals in the Eastern Arc Mountains, Tanzania" \$13,240 NGS-5244 (1995) (with W. Stanley).

Conservation International: "A proposal to support a collaborative research and education project between the Field Museum of Natural History and the Service des Palè, University of Antananarivo" (1994)

John D. And Catherine T. MacArthur Foundation: "A proposal for a collaborative training program for Malagasy students at the Field Museum," \$34,500 (1995) (with B. D. Patterson and O. Rieppel).

American Museum of Natural History: "Collection research grant" (1995).

John D. and Catherine T. MacArthur Foundation: "A proposal for a collaborative training program for professors and students at the University of Antananarivo" (1995-97) (with S. O'Connor).

John G. Hall

National Science Foundation: "Renovation of Biochemistry Laboratories and Instrumentation Acquisition." \$151,356 STI-9214446 (1993-1995).

National Science Foundation: "Acquisition of Automated DNA Sequencer." \$80,824 BIR-9419732 (1995-1996).

Lawrence R. Heaney

The John D. and Catherine T. MacArthur Foundation: "Conservation of Mammalian Diversity in the Philippines" \$295,000 90-9272A (1990-1993), extended to 1995.

The John D. And Catherine T. MacArthur Foundation: "Collaborative Advanced Training in the Conservation of Biological Diversity" \$435,000 93-22387A (1993-1996).

Robert Inger

National Science Foundation: "A Workshop to Establish the Monitoring of Amphibian Populations in Southeast Asia, Sabah, Malaysia" \$28,490 INT-9400779 (1994-1996) (with H. Voris).

John Kethley

National Science Foundation: "Support for Care and Use of Insects and other Arthropods of the Field Museum of Natural History" \$710,047 DEB-8814449 (1989-1995) (with A. Newton).

Peter E. Lowther

National Science Foundation: "Collection Computerization in the Division of Birds (Phase II)" \$386,726 DEB-9114760 (1992-1997) (with D. E. Willard).

Alfred Newton

National Science Foundation: "Support for Care and Use of Insects and other Arthropods of the Field Museum of Natural History" \$710,047 DEB-8814449 (1989-1995) (with J. Kethley).

Bruce D. Patterson

John D. And Catherine T. MacArthur Foundation: "A proposal for a collaborative training program for Malagasy students at the Field Museum," \$34,500 (1995) (with S. M. Goodman and O. Reippel).

Alan Resetar

National Science Foundation: "Support to Enhance the Accessibility of the Herpetological Collections of the Field Museum of Natural History" \$125,238 BSR-9024283 (1991-1995) (with H. K. Voris).

Mary Anne Rogers

National Science Foundation: "Verification of Computer Database for the Ichthyological Collection of the Field Museum" \$181,000 DEB-9407568 (1994-1997) (with B. Chernoff and M. Westneat).

Petra Sierwald

National Science Foundation: "Training for Undergraduates in Collections-based Analysis of Biological Diversity" \$164,369 (DEB-9317449) (1994-1998) (with P. R. Crane).

William Stanley

National Geographic Society: "Biogeography of Small Mammals in the Eastern Arc Mountains, Tanzania" \$13,240 NGS-5244 (1995) (with S. Goodman).

Margaret K. Thayer

National Biological Service: "Development of taxonomic database on the Coleoptera of North America" \$32,500, 1995-1996 (contract for first half of database).

Harold K. Voris

National Science Foundation: "Support to Enhance the Accessibility of the Herpetological Collections of the Field Museum of Natural History" \$125,238 BSR-9024283 (1991-1995) (with A. Resetar).

National Science Foundation: "A Workshop to Establish the Monitoring of Amphibian Populations in Southeast Asia, Sabah, Malaysia" \$28,490 INT-9400779 (1994-1996) (with R. F. Inger).

Mark W. Westneat

National Science Foundation: "Acquisition of Kodak Ektapro High-speed Video System" \$157,564 (with A. Biewener, M. Dickinson, M. LaBarbera).

National Science Foundation: "Functional Morphology of Aquatic Locomotion in Labrid Fishes" \$180,000 IBN-9407253 (1994-1997).

National Science Foundation: "Verification of Computer Database for the Ichthyological Collection of the Field Museum" \$181,000 DEB-9407568 (1994-1997) (with B. Chernoff and M. A. Rogers).

PADI Foundation: "Feeding Ecology and Function of Labrid Fishes on Coral Reefs" \$3,500.

David Willard

National Science Foundation: "Collection Computerization in the Division of Birds (Phase II)" \$386,726 DEB-9114760 (1992-1997) (with P. Lowther).

MUSEUM AND PUBLIC SERVICE, 1995
(EDITORSHIPS, COMMITTEES ETC.)

(excluding ad hoc reviews, committee alternates)

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson

Chair, Field Museum Department of Anthropology; Member, Field Museum Collections Advisory Council; Museum Representative, Field Museum Collections Committee; Program Advisor, Southeast Asian Project for Archaeology and Fine Art, Bangkok; Search Committee, Anthropology Department, University of Illinois at Chicago; Associate Editor, ACRO Update, Asian Ceramics Research Organization.

Winifred Creamer

Executive Director, Anthropology Museum, Northern Illinois University.

Christine Gross

Member, Registrar's Committee, American Association of Museums.

Jonathan Haas

Review Committee, Native American Graves Protection and Repatriation Act; Steering Committee, Anthropology and the Environment, American Anthropological Association; Member, Committee on Museums and Native American Collaboration, American Association of Museums; Steering Committee Member, Field Museum Collections Committee.

Sheryl Heidenreich

Member, Field Museum Library Review Committee.

Chuimei Ho

Collection Committee Member, Museum of Art, Beloit College; Executive Committee Member, Chinese Ancient Ceramic Society, China; Vice-Chairman, Committee for Friends of the Museum, Dehua Ceramic Museum; Editor, ACRO Update, Asian Ceramics Research Organization.

Janice Klein

Member, Field Museum Kaffeeklatsch; Member, Field Museum Collections Advisory Council; Member, Field Museum Document Retention Committee; Chair, Registrars Committee of the American Association of Museums; Member, American Association of Museums Standing Professional Committee Council; Member, Society for the Preservation of Natural History Collections, Collections Valuation Workshop Planning Committee; Member, Society for the Preservation of Natural History Collections, Sessional Committee on Common Philosophies and Objectives; Member, Chicago Area Registrars Council; Member, Mitchell Indian Museum Advisory Board.

Anna Roosevelt

Graduate Research Fellowships Panel Member, National Science Foundation; Editorial Advisory Boards Member, Latin American Antiquity, Latin American Anthropology Review, and Prehistory Press; Task Force on the Environment Member, American Anthropological Association; Advisory Council Member, Wenner-Gren Foundation for Anthropological Research; Member, Board of Directors, American Association for the Advancement of Science; Member, Board of Directors and Executive Committee, Latin American Scholarship Program in American Universities; Program Committee Member, Rainforest Alliance; Archaeology Research Panel Member, National Endowment for the Humanities; Member, Field Museum Science Advisory Council.

Catherine Sease

Panelist, Institute of Museum Services; Associate Editor, Journal of the American Institute for Conservation; Member, Field Museum Disaster Preparedness Committee; Member, Field Museum Safety and Security Committee; Chair, Archaeological Institute of America Conservation and Heritage Management Committee; Consultant, Getty Conservation Institute.

Charles Stanish

Editorial Board Member, South America, Prehistory Press; Advisor, Peruvian Art Society; Antiquities Consultant, United States Customs Service; Chair, Field Museum Department of Anthropology; Member, Field Museum Collections Advisory Council.

John Terrell

Fellow, American Anthropological Association; Board Member, Council for Museum Anthropology; Member, Field Museum Scholarship Committee.

James VanStone

Advisory Board Member, Mitchell Museum; Editorial Advisory Board Member, Alaska History.

Alaka Wali

Publications Committee Member, Society for Applied Anthropology; Chair, Monograph Publication Committee, Society for Applied Anthropology; Chair, Field Museum Library Review Committee; Editorial Board Member, Feminist Studies; Consultant, Inter-American Development Bank.

DEPARTMENT OF BOTANY**Fred R. Barrie**

Secretary, Special Committee on Lectotypification of the XVth International Botanical Congress, Yokohama; Editorial Committee, International Code of Botanical Nomenclature; Editorial Specialist: Nomenclature, Systematic Botany.

William Burger

Scientific Editor, Fieldiana.

Michael Dillon

Member, Field Museum Academic Affairs Management Group.

John Engel

Editorial Board, Flora North America; Chair, Field Museum Publications Committee; Member, Field Museum Kaffeeklatsch.

Robin B. Foster

Member, Field Museum Botany Search Committee; Invited Participant, Andean Development Corporation (CAF) workshop on assessment of sustainability of infrastructure development in the Andes, Caracas; International Committee Member, Congreso Ecuatoriano de Botánica, Quito; Outside Reviewer, Smithsonian Institution/UNESCO Man and the Biosphere biodiversity program; Member, Commission for Flora Neotropica; Scientific Board Member, International Center for Tropical Ecology; Trustee and Research Associate, Institute for Botanical Exploration; Participant, Field Museum workshop on rapid assessment of aquatic systems (AquaRAP); Subject, BBC Horizon documentary, Bolivia; Consultant, National Public Radio.

Thomas G. Lammers

Education Committee Member, Botanical Society of America; Standing Committee for Botany Member, Pacific Science Association; Volume Editor, Flora of the Greater Antilles; Member, Field Museum Scholarship Committee; Member, Field Museum Collections Advisory Council; Member, Field Museum Science Advisory Council.

Gary L. Smith Merrill

Director, ABLS Moss Exchange; Member, Greater Chicago Wilderness Bioreserve Initiative.

Gregory M. Mueller

Co-Organizer and Co-Editor, Workshop, Measuring and Monitoring Biological Diversity: Standard Methods for Fungi; Associate Editor, Mycologia; Councilor for Systematics and Evolution, Mycological Society of America; Graduate Student Admissions Committee Member, Committee on Evolutionary Biology, University of Chicago; Advisory Panel Member, Systematic Biology Program, special competition for PEET, National Science Foundation; Member, Taxonomic Working Group for Fungi, All Terrestrial Biotic Inventory, Guanacaste, Costa Rica; Member, Greater Chicago Wilderness Bioreserve Initiative; Scientific Advisor, Illinois Mycological Association; Member, Field Museum Academic Affairs Management Group; Member, Field Museum Science Advisory Council; Point Person and Scientific Content Specialist, Life Underground Exhibit; Co-Chair, Field Museum Botany Search Committee; Member, Field Museum Biochemistry Laboratory Search Committee; Head of Cryptogams, Field Museum Department of Botany.

Christine Niezgoda

Member, Field Museum IMS Survey Task Force; Member, Field Museum Policy and Procedures Committee.

Djaja D. Soejarto

Scientific Editor, Journal of Ethnopharmacology; Contributing Editor, International Journal of Pharmacognosy.

Qiuxin Wu

Member, Field Museum Kaffeeklatsch.

DEPARTMENT OF GEOLOGY

John Bolt

Treasurer, Society of Vertebrate Paleontology; Member, Field Museum Science Advisory Council; Chair, Host Committee, 1997 SVP Annual Meeting; Chair, Department of Geology Search Committee.

Peter R. Crane

Vice President, Academic Affairs and Director; Acting Chair, Field Museum Department of Botany; Editorial Board Member, International Journal of Plant Science; Editorial Board Member, Review of Palaeobotany and Palynology; Editorial Board Member, Plant Systematics and Evolution; Chair, Field Museum Collections Advisory Council; External Review Panel Member, Texas Memorial Museum, University of Texas at Austin; Board Member, Association of Systematics Collections; Steering Committee, XVI International Botanical Congress; Convener, Chicago Plant Science Symposium; Steering Committee Member, Biodiversity Explorers High School Internship Program; Institute of Museum Services, GOS Program Reviewer; Member, Field Museum Space Planning Committee.

John J. Flynn

Chair, Field Museum Department of Geology; Member, Field Museum Academic Affairs Management Group; Associate Chair, Committee on Evolutionary Biology, University of Chicago; Chair, Executive Committee, NSF Biodiversity Training Grant, University of Chicago; Secretary, Society of Vertebrate Paleontology; Member, International Union of Geological Sciences, Working Group on "Stratigraphic correlation of marine and continental records;" Specialty Coordinator (Vertebrates), International Geological Correlation Program, IGCP Project 308: "Paleocene/Eocene boundary events."

Lance Grande

Editorial Board Member, Revista; Associate Editor, Journal of Vertebrate Paleontology; Chair, Field Museum Scholarship Committee; Member, Field Museum Publications Committee; Member, Field Museum Collections Advisory Council; Member, Program Committee, Society of Vertebrate Paleontology; Member, Committee on Fish Classification, American Society of Ichthyologists and Herpetologists.

Patrick S. Herendeen

Member, Field Museum Academic Affairs Management Group.

Scott Lidgard

Chair, Association of North American Paleontological Societies; Panel Member, National Science Foundation, Systematic Biology; Governing Committee Member, Biological Sciences Collegiate Division, University of Chicago; Member, Field Museum Science Advisory Council; Member, Field Museum Geology Search Committee.

Steve McCarroll

Member, Field Museum Educational Assistance Committee

Doris B. Nitecki

Co-Editor, Paleontological Journal.

Matthew H. Nitecki

Co-Editor, Acta Paleontologica Polonica; Co-Editor, Paleontological Journal.

Olivier Rieppel

Editorial Board, Journal of Vertebrate Paleontology.

Meenakshi Wadhwa

Member, Field Museum Scholarship Committee; Member, Meteorite Nomenclature Committee; Member, Meteorite Working Group.

DEPARTMENT OF ZOOLOGY

Margaret Baker

Member, Greater Chicago Wilderness Bioreserve Initiative.

J. W. O. Ballard

Acting Chair, Biochemistry Laboratories; Workshop Coordinator, Automated DNA Sequencing and Analysis; Graduate Student Advisory Committee Member, University of Chicago, Graduate Student Advisory Committee Member, Australian National University; Chair, Field Museum Biochemistry Laboratory Search Committee; Visiting Scientist, Commonwealth Scientific and Industrial Research Organization; Member, Committee on Evolutionary Biology University of Chicago.

John M. Bates

Instructor, Conservation International's Rapid Assessment Training Program.

Rüdiger Bieler

President, Unitas Malacologica (International Society of Malacology); President, American Malacological Union (American Society of Malacology); External Reviewer, University of Sao Paulo Assessment Council, Brazil; Panel Member, National Science Foundation (PEET); North American Editor, Zoological Journal of the Linnean Society; Editor-in-Chief, Monographs of Marine Mollusca; Scientific Editor, Smithsonian Institution Translations Publishing Program; Editorial Board Member, Malacologia - International Journal of Malacology, Malacological Review, The Nautilus, American Malacological Bulletin, The Festivus; Trustee, Board of Directors, Delaware Museum of Natural History; Chairman, Field Museum Science Advisory Council; Member, Greater Chicago Wilderness Bioreserve Initiative; Member, Field Museum Library Review Committee, Member, Field Museum Geology Search Committee.

Barry Chernoff

Member, Board of Governors, American Society of Ichthyologists and Herpetologists; Governing Council Member, Society of Systematic Biologists; Committee Member, U.S. National Committee for International Union of Biological Sciences, National Research Council; Governing Board Member, Fishes of the Western North Atlantic; Member, Field Museum Academic Affairs Management Group; Graduate Student Advisory Committee Member, University of Chicago; Member, Board of Directors, Neotropical Ichthyological Association; Chair, Field Museum, Department of Zoology; Member, Field Museum Zoology Search Committee; Member, Steering Committee Aquarap; Member, Steering Committee Aquatic Conservation Priorities in Latin American and the Caribbean.

Jack Fooden

Consulting Editor, American Journal of Primatology; Editorial Board, International Journal of Primatology. Participant, Vietnam Primate Conservation Workshop, Hanoi.

Shannon J. Hackett

Head, Field Museum Division of Birds; Member, Student Awards Committee, American Ornithologists Union.

Lawrence R. Heaney

Chiropteran Advisory Group, American Association of Zoological Parks and Aquaria; Science Advisory Board, Lubee Foundation; Board of Directors, Program Committee, Checklist Committee, American Society of Mammalogists; Board of Trustees, Wildlife Conservation Society of the Philippines; Member, Field Museum Research Advisory Council; Head, Field Museum Division of Mammals.

Robert Inger

Board of Trustees, Illinois Chapter, The Nature Conservancy; Workshop Leader, Monitoring Amphibian Population in Southeast Asia; Associate Editor, Zoological Research (Kunming, China).

John Kethley

Coordinator, Field Museum Noon Balloon Seminar Series.

Peter E. Lowther

Editor, Inland Bird Banding Association for North American Bird Bander; Program Coordinator, Assistant to the Treasurer, American Ornithologists Union.

Harry G. Nelson

Reviewer, two papers on Madagascar Insects, Fieldiana, Reviewer, paper for Animals of the Transvaal Museum.

Alfred F. Newton

Selection Committee Member, Lacordaire Prize, Coleopterists Society (1994-95); Member, Field Museum Publications Committee; Member, Field Museum Zoology Search Committee.

Bruce D. Patterson

Member, Graduate Student Admissions Committee, University of Illinois at Chicago; Member, Graduate Student Admissions Committee, University of Chicago; Editor on editorial boards, Journal of Mammalogy, Biodiversity Letters, Mastozoología Neotropical; Member, Board of Directors, American Society of Mammalogists (1989-1992, 1992-1995); Chair, C. H. Merriam Award Committee; Member, Checklist Committee; Editorial Committee Member; International Union for the Conservation of Nature/Species Survival Plan: New World Marsupials Specialist Group; Chair, Field Museum Zoology Promotions and Review Committee; Chair, Field Museum 1995 Spring Systematics Symposium; Member, Field Museum Collections Advisory Council; Member, Field Museum Animal Care and Use Committee.

Philip P. Parrillo

Consultant, Meredith Corporation; Consultant, Chicago Tribune; Consultant, Daily Herald; Consultant, "Chicago Remnant Prairie Project", Northeastern Illinois University; Consultant, Nickelodeon Television; Consultant, Ligature, Inc.; Consultant, "Illustrated Book of Questions and Answers", Publishers International; Consultant, Rust Environmental and Infrastructure, Inc.; Reviewer, Fieldiana manuscripts; Science Fair Judge, Lincoln Park High School.

Alan Resetar

Co-coordinator, Historical Trends Section, Declining Amphibian Population Task Force—Central Division; Member, Indiana Nongame Program, Amphibian and Reptile Technical Advisory Committee.

Mary Anne Rogers

Member, Field Museum Recycling/Environmental Awareness Committee; Member, Field Museum Integrated Pest Management Committee; Member, Collection and Resource Committee, American Society of Ichthyologists and Herpetologists.

Thomas S. Schulenberg

Editorial Board, Bird Conservation International.

Petra Sierwald

Executive Committee Member, American Arachnological Society; Associate Editor, Journal of Arachnology; Scientific Consultant, Smithsonian Institution Spider Exhibit; Member, Greater Chicago Wilderness Bioreserve Initiative.

John Slapcinsky

President, Chicago Shell Club; Sponsoring Scientist, Evanston Township High School Life Science Internship Program; Sponsoring Scientist, Colorado Rocky Mountain School, Senior Apprenticeship Program; Member, Greater Chicago Wilderness Bioreserve Initiative; Consultant, U. S. Fish and Wildlife Service; Committee Member, Society for the Preservation of Natural History Collections, Education and Training Committee; Member, Field Museum Academic Affairs Management Group; Member, Field Museum Science Advisory Committee.

William Stanley

Member, Field Museum Recycling/Environmental Awareness Committee.

Daniel Summers

Chair, Field Museum Personnel Committee; Member, Field Museum Collections Advisory Council; Member, Subcommittee on priorities for scientific areas; Consultant, Chicago area pest control firms.

Margaret K. Thayer

President, Coleopterists Society; Secretary, Section A, Entomological Society of America; Member, International Editorial Board, Annales Zoologici; Panel Member, NSF, Research Collections in Systematics and Ecology; Area Solicitor, Field Museum United Way Campaign.

Janet R. Voight

Member, Field Museum Scholarship Committee, Member, Field Museum Animal Care and Use Committee. Acting Chair, Department of Zoology; Member, ad hoc Committee of the Council of Systematic Malacologists to establish national agenda for Malacology in the United States.

Harold K. Voris

Co-chair, Declining Amphibian Population Task Force for Southeast Asia; Member, Field Museum Kaffeeklatsch; Chairperson, Zoology Promotions Committee.

Mark W. Westneat

Coordinator, Field Museum Evolutionary Biology Seminar Series; Program Officer, Division of Vertebrate Morphology, American Society of Zoologists; Head, Field Museum Division of Fishes; Member, Field Museum Zoology Search Committee; Member, Hinds Fund Committee, University of Chicago; Preliminary Exam Administrator, Organismal Biology and Anatomy, University of Chicago.

David Willard

Board of Directors, Illinois Ornithological Society.

SCIENTIFIC TRAVEL, 1995

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson

Central China, visits to sites and museum collections; Bangkok, Thailand, archaeological training course; England, visits to museum collections; Oakland, California, evaluation of museum collections.

Winifred Creamer

Northern New Mexico, field work; Costa Rica, field work; Oaxaca, Mexico, field work; Minneapolis, Minnesota, Society for American Archaeology Annual Meeting; Santa Fe, New Mexico, Society for Economic Anthropology.

William Grewe-Mullins

Cincinnati, Ohio, Midwest Museums Conference Annual Meeting.

Christine Gross

Philadelphia, Pennsylvania, American Association of Museums Annual Meeting.

Jonathan Haas

Los Angeles, California, Review Committee, Native American Graves Protection and Repatriation Act (NAGPRA); Aurora, Illinois, Illinois Mathematics and Science Academy Presentation Day; Minneapolis, Minnesota, Society for American Archaeology Annual Meeting; Santa Fe, New Mexico, Cultural Modelling Month, Santa Fe Institute; Santa Fe, New Mexico, archaeological excavation at site of Pueblo Blanco; El Rito, New Mexico, mapping of the Pueblo of Sipawe; Kayenta, Arizona, South Gap Conference; Anchorage, Alaska, Review Committee, NAGPRA; Washington, D.C., American Anthropological Association Annual Meeting; Oaxaca, Mexico, lecture tour, Northern Illinois University.

Chuimei Ho

Fujian, China, archaeological field work, research on museum collections, project workshop conference; Guangxi, China and Manila, Philippines, research planning meetings; Beijing, Yangzhou and Nanjing, China and Hong Kong, research on museum collections; London, Oxford and Durham, England, visits to museum collections; Columbia, South Carolina, research on museum collections.

Janice Klein

Evanston, Illinois, Mitchell Indian Museum Advisory Board Quarterly Meetings; Washington, D. C., Standing Professional Committee Council Meeting; Des Moines, Iowa, AAM Registrars Committee Officers Meeting; San Francisco, California, ALI-ABA Annual Meeting, "Legal Problems of Museum Administration"; Philadelphia, Pennsylvania, American Association of Museums Annual Meeting; Cincinnati, Ohio, Midwest Museums Conference Annual Meeting; Morristown, New Jersey, Mid-Atlantic Association of Museums Annual Meeting; Cheyenne, Wyoming, Mountain-Plains Museums Conference Annual Meeting; Chicago, Illinois, Chicago Area Registrars Council Bimonthly Meetings.

Chapurukha Kusimba

Indianapolis, Indiana, Seminar on Egypt in Africa; Minneapolis, Minnesota, Society for American Archaeology Annual Meeting; Mombasa, Kenya, field work; Nairobi, Kenya, consultation with National Museums of Kenya officials; Harare, Zimbabwe, 10th Pan African Congress on Prehistory and Related Studies; Washington D. C., American Anthropological Association Annual Meeting.

Anna Roosevelt

New York, New York, Rainforest Alliance, Board of Directors Meeting; New York, New York, Wenner-Gren Foundation, Advisory Council Meeting; Cambridge, Massachusetts, Latin American Scholarship Program in American Universities, Board of Directors Meeting; Washington, D. C., American Association for the Advancement of Science, Board of Directors Meeting; Atlanta, Georgia, American Association for the Advancement of Science, Annual Meeting; Irvine, California, American Association for the Advancement of Science, Board of Directors Meeting; Puerto Rico, Interciencia, Annual Meeting; Chicago, Illinois, Midwest Andean and Amazonian Anthropology Meetings; Washington, D. C., American Anthropological Association, Annual Meeting; Minneapolis, Minnesota, Society for American Archaeology, Annual Meeting.

Catherine Sease

St. Paul, Minnesota, American Institute for Conservation Annual Meeting; Rome, Italy, research.

Charles Stanish

Juli, Peru, field work; Bolivia, field work, Island of the Sun Archaeological Project; Peru, field work, Project Lupaqa.

John Terrell

Clearwater Beach, Florida, Association for Social Anthropology in Oceania Meetings; Minneapolis, Minnesota, Society for American Archaeology Meetings; Washington D. C., American Anthropological Association Meetings; Madison, Wisconsin, Annual Arctic Symposium, University of Wisconsin.

Alaka Wali

Posadas, Province of Misiones, Argentina, participation in panel of experts on Resettlement and Environmental Impacts of the Yacreta Dam Project; Atlanta, Georgia, American Anthropological Association Annual Meetings; Albuquerque, New Mexico, Society for Applied Anthropology Annual Meeting; Washington, D. C., Latin American Studies Association Annual Meetings and National Black Child Development Institute Annual Meetings.

Robert Welsch

Washington D. C., American Anthropological Association Meetings; Hanover, New Hampshire, Dartmouth College, Hood Museum of Art, collections study; Honolulu, Hawaii, Bishop Museum, Honolulu Academy of Arts, collections study; Milwaukee, Wisconsin, Milwaukee Public Museum, collections study; Cleveland, Ohio, Cleveland Museum of Natural History, Cleveland Museum of Art, collections study; St. Louis, Missouri, St. Louis Art Museum, collections study; Washington, D. C., U. S. National Museum of Natural History, collections study; Philadelphia, Pennsylvania, The University Museum, collections study; New York, New York, American Museum of Natural History, The Metropolitan Museum, the Brooklyn Museum, collections study; Salem, Peabody-Essex Museum, collections study; St. Johnsbury, Vermont, Fairbanks Museum, collections study.

DEPARTMENT OF BOTANY**Fred R. Barrie**

Ann Arbor, Michigan, The University of Michigan, research; St. Louis, Missouri, Missouri Botanical Garden, research and Systematics Symposium.

William Burger

St. Louis, Missouri, Missouri Botanical Garden, herbarium studies.

Michael Dillon

Trujillo, Peru, Universidad Antenor Orrego, biodiversity symposium; San Martín, Peru, Universidad Nacional de Cajamarca, field work; Uppsala, Sweden, University of Uppsala, dissertation committee opponent.

John Engel

New Zealand, field work.

Robin B. Foster

Sarasota, Florida, Selby Botanical Garden, research; Yasuni, Ecuador, field work; Cayos Cochinos, Honduras, field work; Washington, D.C., symposium; Barro Colorado, Panama, training; Yasuni, Ecuador, field work; Stockholm, Sweden, Nordic Tropical Botany Meetings; Parque Noel Kempff, Bolivia, field training course; Caracas, Venezuela, CAF workshop; Yasuni, Ecuador, field work; Quito, Ecuadorian Botanical Congress, Flora Neotropica Commission Meeting; Baton Rouge, Louisiana, lecture; Washington, D.C., Conservation International, planning meeting, presentation to USAID.

Nancy Hensold

St. Louis, Missouri, Missouri Botanical Garden, research.

Sabine M. Huhndorf

Puerto Rico, field work; San Diego, California, Mycological Society of America Annual Meeting.

Marian R. Kadushin

Sarawak, Malaysia, field work.

Thomas G. Lammers

St. Louis, Missouri, Missouri Botanical Garden, herbarium and library work; San Diego, California, American Institute of Biological Sciences Annual Meeting; St. Louis, Missouri, Missouri Botanical Garden, Fall Systematics Symposium.

Gregory M. Mueller

Costa Rica, field work; University of Costa Rica, collaborative research and students' defenses; Guanacaste Conservation Area, Costa Rica, Taxonomic Working Group for Fungi meeting, part of the All Terrestrial Biotic Inventory and short course for collectors (parataxonomists); Wageningen, the Netherlands, 12th Congress of European Mycologists; Royal Botanic Gardens, Kew, U.K., herbarium work; Frederick, Maryland, National Cancer Institute, collaborative research; Arlington, Virginia, National Science Foundation, Advisory Panel; Beltsville, Maryland, fungal biodiversity workshop; San Diego, California, American Institute of Biological Sciences Annual Meeting; Toronto, Ontario, Society for Preservation of Natural History Collections Annual Meeting; Bemidji, Minnesota, North American Mycological Association Annual Meeting; Brown County, Indiana, A. H. Smith Great Lakes Foray, Midwest mycologists annual meeting and foray; Illinois Natural History Survey, Champaign, Illinois, consultant; St. Louis, Missouri, Missouri Botanical Garden Fall Systematics Symposium.

John F. Murphy

San Diego, California, Mycological Society of America Annual Meeting; Yellowwood State Forest, Indiana, Great Lakes States Mycologists Meeting; Huron Mountains, Michigan, field work; Bemidji, Minnesota, North American Mycological Association Annual Meeting.

Christine Niezgoda

Toronto, Canada, Annual Meeting of the Society for the Preservation of Natural History Collections.

Jacinto C. Regaldo, Jr.

Beijing, China, Pacific Science Conference; Papua, New Guinea, field work.

Djaja D. Soejarto

Beijing, China, Pacific Science Conference; Palawan, Philippines, field research, videotaping; Cuc Phuong National Park, field research; Kuching, Sarawack (Malaysia) field research; Kobe, Japan, research; Beijing, PRC, Pacific Science Congress Symposium; Pastaza and Riobamba, Ecuador, teaching, field research; Quito, Ecuador, botanical congress; Santo Domingo, Dominica Republic, Symposium on Plants as a Source of Medicines.

Qiuxin Wu

San Diego, California, Mycological Society of America Annual Meeting; Toronto, Canada, Society for the Preservation of Natural History Collections, herbarium workshop; Beltsville, Maryland, "Measuring and Monitoring Biological Diversity: Standard Methods for Fungi" workshop; Beijing, China, Systematic Mycology and Lichenology Laboratory 10th Annual Meeting; Huron Mountains, Michigan, field work.

DEPARTMENT OF GEOLOGY**John R. Bolt**

Southern Illinois, field work; New York, New York, research; Lawrence, Kansas, research; Cambridge, Massachusetts, research; Washington, D. C., research; Pittsburgh, Pennsylvania, Society of Vertebrate Paleontology Annual Meeting.

Gregory A. Buckley

Madagascar, field work; New Orleans, Louisiana, Geological Society of America Meeting.

Peter R. Crane

California Institute of Technology, Division of Biology, seminar; Chicago, Loyola University, Department of Biology, seminar; University of Georgia, SOTAB Conference, seminar; The University of Chicago, Department of the Geophysical Sciences, seminar; San Diego, California, Botanical Society of America Meetings, research presentation; Cuernavaca, Mexico, Mexican Botanical Congress, plenary lecture and seminar; Kalamazoo, Michigan, Michigan Botanical Society, popular lecture; Berkeley, California, University of California, Association of Systematics Collections, Annual Meeting, Board Meeting; Washington, D. C., Association of Systematics Collections, Board Meeting; Santa Cruz, Bolivia, RAP Training Course; northern Texas, field work; western Iowa, field work; southern England, field work; Royal Botanic Gardens, Kew, U.K., Plant Architecture Symposium; Liverpool, U.K., Linnean Society Regional Meeting; Springfield, Illinois, Illinois Paleontologists, popular lecture; Berkeley, California, University of California, USDA Workshop on Green Plant Phylogeny; St. Louis, Missouri Botanical Garden, XVI International Botanical Congress, Steering Committee.

Marlene Hill Donnelly

Flagstaff, Arizona, Guild of Natural Science Illustrators Annual Meeting.

John J. Flynn

Southwestern Wyoming, field work; Chile, field work; Pittsburgh, Annual Meeting, Society of Vertebrate Paleontology; Burlington, Vermont, Annual Meeting, American Society of Zoologists, symposium organizer and speaker.

Lance Grande

National University of Mexico (UNAM), Mexico; invited seminar presentations, Geology and Zoology Departments; Kyushu, Japan, museum study; southwestern Wyoming, field work.

Patrick S. Herendeen

Missouri, Mississippi, Louisiana, Texas, Oklahoma, Iowa, class field trips and field work; Royal Botanic Gardens, Kew, and southern England, symposium, herbarium research and field work; Philadelphia, Pennsylvania, Midcontinent Paleobotanical Colloquium; Baton Rouge, Louisiana, research Louisiana State University; Colorado and Utah, field work and planning; San Diego, California, American Institute of Biological Sciences Annual Meeting.

Scott Lidgard

New Zealand, field work, International Bryozoology Association Meeting; New Orleans, Louisiana, Geological Society of America Annual Meeting.

Steve McCarroll

Southwest Wyoming, field work; Pittsburgh, Pennsylvania, Society of Vertebrate Paleontology Annual Meeting.

Matthew H. Nitecki

Albany New York, New York State Museum , New York State Education Department, research; Decorah, Iowa, Luther College, collection study.

Clarita M. Nuñez

San Diego, California, San Diego Natural History Museum, "Preventive Conservation of Geological Materials" short course, by International Academic Projects (London).

Olivier Rieppel

Paris, research; Barcelona, research; Rome, research; Vienna, research; Stuttgart, research.

William F. Simpson

Pittsburgh, Pennsylvania, Society of Vertebrate Paleontology Annual Meeting; southwestern Wyoming, field work.

William Turnbull

Washakie Basin, southwest Wyoming, field work; Vernal, Utah, Utah Field House; Denver, Colorado, Denver Museum; Pittsburgh, Pennsylvania, Society of Vertebrate Paleontology Annual Meeting; Berlin, Germany, 10th International Symposium on Dental Morphology.

Meenakshi Wadhwa

Washington, D. C., Meteoritical Society Meeting; San Diego, California, University of California, research and seminar presentation; St. Louis, Missouri, Washington University, research.

DEPARTMENT OF ZOOLOGY**J. W. O. Ballard**

Batemans Bay, Australia, field work; Canberra, Melbourne and Sydney, Australia, research; Cold Spring Harbor, New Jersey, Advanced Genome Analysis and Sequencing Workshop.

John M. Bates

Cincinnati, American Ornithologists' Union Annual Meeting; Asunción, Paraguay, V Neotropical Ornithological Congress, symposium organizer, seminar; Santa Cruz, Bolivia, Universidad Autónoma "Gabriel Rene Moreno", seminars, museum study; Santa Cruz, Bolivia, Noel Kempff Mercado National Park, field work, field training program; Museum of Vertebrate Zoology, University of California, Berkeley, museum research.

Rüdiger Bieler

Florida, Smithsonian Marine Station, field work; Hawaii, American Malacological Union meeting and field work; Ann Arbor, Michigan, molecular research; Spain, France, Germany, International Malacological Congress, field work and collection study; Sao Paulo, Brazil, invited outside review of Zoology Department and collection study; various east coast museums, collection-based research.

Barry Chernoff

Washington, D.C. and Irvine, California, National Academy of Sciences, National Committee for International Union of Biological Sciences Meetings; Montreal, Canada Society for the Study of Evolution/Society of Systematic Biologists Annual Meetings; Bolivia, Santa Cruz, Conservation Priorities of Aquatic Ecosystems in Latin America and the Caribbean; Venezuela, field work; St. Petersburg, Florida.

Jack Fooden

Birchington, England, Powell-Cotton Museum; Hanoi, Vietnam, Zoological Museum, Institute of Ecology and Biological Resources. Hanoi, Vietnam, Zoological Museum, Vietnam National University; London, England British Museum Natural History; New York, New York, American Museum of Natural History; Washington, D.C., National Museum of Natural History; Xuan Mai, Vietnam, Zoological Museum, Forestry College.

Thomas Gnoske

Archbold Biological Station, Florida, research; Bay Beach Wildlife Sanctuary, Green Bay; Minnesota United States Department of Natural Resources regional offices.

Steven M. Goodman

Madagascar, field work and teaching; London, England, research; Tring, England, research; Paris, France, research and international symposium; Washington, D. C., research; New York, New York, research.

Shannon Hackett

Montreal, Quebec, Society for the Study of Evolution/Society of Systematic Biologists Annual Meeting; Cincinnati, American Ornithologists' Union Annual Meeting.

Lawrence R. Heaney

Utah, University of Utah, research; Philippines, consultant on biodiversity and conservation to government, university and non-governmental agencies; Camiguin Island, Philippines, field work; Manila, Philippines, University of the Philippines, Wildlife Conservation Society of the Philippines Meeting; Vermont, University of Vermont, American Society of Mammalogists Meeting; Colorado, Colorado State University, Society for Conservation Biology Meeting; Mexico City, Mexico, National Autonomous University of Mexico, planning for International Theriological Congress and research.

Robert Inger

Malaysia, research and field work; Malaysia, workshop on monitoring amphibians.

Julian C. Kerbis Peterhans

London, U.K., British Museum; Nairobi, Kenya, National Museums of Kenya; Kampala, Makerere' University Museum of Zoology; New York, New York, American Museum of Natural History, research.

Peter E. Lowther

Cincinnati, Ohio American Ornithologists' Union, Rockford, Illinois, Inland Bird Banding Association Meeting.

Dan Miller

Geological Society of America Annual Meeting, New Orleans; Museum of Paleontology, Tulane University, New Orleans, collections work.

Harry G. Nelson

New England, field work; Hubei Province, China, field work.

Alfred F. Newton

Southwestern USA, field work; California, University of California at Davis, museum curation; Tucson, Arizona, University of Arizona at Tucson, museum curation; Las Vegas, Nevada, Entomology Collections Network, Entomological Society of America and Coleopterists Society Annual Meeting.

Philip P. Parrillo

Toronto, Canada, Society for the Preservation of Natural History Collections.

Bruce D. Patterson

Seattle, Washington, University of Washington, seminars; Burlington, Vermont, American Society of Mammalogists Annual Meeting; Kirksville, Missouri, Northeast Missouri State University, seminar.

Alan Resetar

Indianapolis, Indiana, Indiana Nongame Program Amphibian and Reptile Technical Advisory Committee Meeting; Indianapolis, Indiana, Indiana Academy of Science Annual Meeting.

Mary Anne Rogers

Edmonton, Alberta, Canada, American Society of Ichthyologists and Herpetologists Annual Meeting; Burlington, Vermont, American Society of Mammalogists Annual Meeting.

Thomas S. Schulenberg

Cincinnati, Ohio, American Ornithologists' Union; Asunción, Paraguay, Neotropical Ornithological Congress; Chuquisaca, Bolivia, field work; Santa Cruz, Bolivia, field training course.

Petra Sierwald

Columbia, Missouri, Annual Meeting of the American Arachnological Society.

John Slapcinsky

Toronto, Ontario, Society for the Preservation of Natural History Collections Meeting; St. Catherines Island, Georgia, field work; American Museum of Natural History; Academy of Natural Sciences, Philadelphia; Cumberland Mountain Research Center.

William T. Stanley

Burlington, Vermont, American Society of Mammalogists Meeting; Tanzania, field work.

Douglas F. Stotz

Cincinnati, Ohio, American Ornithologists' Union Meeting; Miami, Florida, Geographic Conservation Investment Priorities in Latin America and the Caribbean Workshop; Santa Cruz, Bolivia, field work.

Daniel Summers

Ottawa, Canada, The First Adult Coleptera Identification Workshop.

Margaret K. Thayer

New Mexico, Arizona, California, field work; Bohart Museum, University of California, Davis, identification/curatorial work; Chicago area and southern Illinois, field work; Las Vegas, Nevada, Entomological Collections Network and Entomological Society of America Annual Meetings (including Coleopterists Society meetings).

Janet R. Voight

Hilo, Hawaii, Evolution of Coleoid Cephalopods Symposium, American Malacological Union Annual Meeting, paper presentation; Victoria, British Columbia, research cruise; Victoria, British Columbia, Royal British Columbia Museum, museum research; Vigo, Spain, Twelfth International Malacological Congress, paper presentation.

Harold K. Voris

Edmonton, Alberta, Canada, American Society of Ichthyologists and Herpetologists Annual Meeting.

Mark W. Westneat

Philippines, Siliman University Marine Laboratory, University of the Philippines, field work; Bermuda Biological Station, field work; Edmonton, Alberta, Canada, American Society of Ichthyologists and Herpetologists Annual Meeting; Toronto, Canada, Society for the Study of Evolution Meeting; Washington, D.C., American Society of Zoologists Meeting.

David Willard

Cincinnati, Ohio, American Ornithologists' Union Meeting; Archbold Biological Station, Florida, research; Bay Beach Wildlife Sanctuary, Minnesota Department of Natural Resources regional offices.

CONTRIBUTIONS TO PUBLIC LEARNING, I, 1995
(EXHIBITS, INFORMAL EDUCATION, SEMINARS, ETC.)

DEPARTMENT OF ANTHROPOLOGY

Catherine Anderson

Education Programs: Field Museum Members' Night.

Craig Atkinson

Education Programs: Field Museum Members' Night.

Mavis Blacker

Education Programs: Field Museum Members' Night.

Bennet Bronson

Exhibit Development: Madagascar Exhibit, North Lounge; Planned China Exhibit, Hall 32; Reinstallation of Amida Buddha, 2nd Floor Balcony; "Strength in Diversity;" "Money" (for Federal Reserve Bank, Chicago).

Education Programs: Field Museum Members' Night; Indonesian Performance; Winter Festival; "Conversations" Programs.

Group Tours of Collections: Japan-American Women Exhibit Supporters; School of the Art Institute; College of DuPage; Field Museum Summer Children's Camp; Collections Committee.

Media Development: Chinese embroidery film, WKTC Television/Louisville, Kentucky; Laos archaeology film, Wright Productions, Oak Park.

Lectures, etc.: North Shore Senior Center, Northbrook; Archaeological Institute of America, Chicago; Meadow Brook Art Museum, Oakland University, Rochester, Michigan; Center for East Asian Studies, University of Chicago; Field Museum High School Biodiversity Program; Center of Asian Studies, University of Hong Kong.

Collection/Program Evaluation: Beloit College, Beloit, Wisconsin; Oakland Museum, Oakland, California.

Peter Coey

Education Programs: Field Museum Members' Night.

Winifred Creamer

Education Programs: External Programs, Northern Illinois University.

William Grewe-Mullins

Exhibit Development: "Inside Ancient Egypt" renovations; "Africa" specimen rotations, mold rescue operation; North American Halls, renovation; new Hopi and Navajo cases; "Tibet" renovations; Maori House, care and maintenance; Japan, Lacquer Case and Inro rotations and maintenance; Jade Hall, renovations; Botany Hall, renovations to cases with Anthropology artifacts; "Teeth, Tusks and Tar pits" renovations; Searle Hall Cases, exhibit development and installation.

Education Programs: Field Museum Members' Night.

Tours, etc.: Northern Illinois University Anthropology Club; Western Michigan University Anthropology Club; Wheaton College; Tsuba Society; College of DuPage; Bulgari Company; Paramount Pictures; Beloit College Anthropology Group.

Christine Gross

Exhibit Development: "Inside Ancient Egypt" renovations; "Africa" specimen rotations, mold rescue operation; North American Halls, renovation; new Hopi and Navajo cases; "Tibet" renovations; Maori House, care and maintenance; Japan, Lacquer Case and Inro rotations and maintenance; Jade Hall, renovations; Botany Hall, renovations to cases with Anthropology artifacts; "Teeth, Tusks and Tar pits" renovations; Searle Hall Cases, exhibit development and installation.

Education Programs: Field Museum Members' Night.

Tours, etc.: Northern Illinois University Anthropology Club; Western Michigan University Anthropology Club; Wheaton College; Paramount Pictures.

Jonathan Haas

Exhibit Development: Navajo Exhibit; Hall 7 deinstallation and reorganization of Halls 2, 4, 8 and 9; "Living Together."

Education Programs: Volunteer orientation; President's Stewardship Dinner.

Seminars and Other Presentations: Conversation Leader, "Building Collaborative Relationships with Indigenous People," Nuveen Forum on Teaching Culture and Cultural Teaching; Leader of public forum on Native American Graves Protection and Repatriation Act (NAGPRA), Society for American Archaeology; Illinois Mathematics and Science Academy Presentation Day.

Tours, etc.: Collections Committee; Founder's Council; representatives from White Mountain Apache Tribe; Hopi Tribe; Aleut Bands; Winnebago Tribe.

Chuimei Ho

Exhibit Development: "Imperial Tombs of China", Denver Museum of Natural History.

Education Program: Field Museum Members' Night; "Conversations" Program.

Lectures, etc.: Oriental Ceramic Society, London; Oriental Ceramic Society, Hong Kong; Center for East Asian Studies, University of Chicago.

Collection/Program Evaluation: Beloit College, Beloit, Wisconsin; Columbia Museum of Art, Columbia, South Carolina.

Lanet Jarrett

Education Programs: Field Museum Members' Night.

Janice Klein

Exhibit Development: Support Services, "Africa," "Traveling Africa," "Life Over Time," "Living Together."

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Midwest Museums Conference Annual Meeting; Mid-Atlantic Association of Museums Annual Meeting; Campbell Center for Historic Preservation, Archaeological and Ethnographic Core Curriculum; Guest Lecturer, Columbia College, Chicago.

Chapurukha Kusimba

Exhibit Development: Searle Lounge Exhibition on Madagascar, Field Museum Spring Systematic Symposium; Consultant, "Traveling Africa."

Educational Programs: Field Museum Members' Night.

Seminars and Other Presentations: Panelist, "Africa's Meaning to Americans", "The Nuveen Forum--Teaching Culture and Cultural Teachings: Conversations on Culture and Identity in America;" Seminar, Northwestern University; Lecture, Newberry Library; Seminar, DePaul University; Lecture, Chicago Academy of Sciences; Lecture, National Museums of Kenya, Nairobi Kenya; Lecture, Fort Jesus Museum, Mombasa, Kenya.

Tours, etc.: Chicago Lab School, Newberry Library.

Anna Roosevelt

Seminars and Other Presentations: Public Lecture and Seminar, Ohio University, Athens, Ohio; Seminar, Society for American Archaeology, Minneapolis, Minnesota; Presentation, American Association for the Advancement of Science Symposium, Atlanta, Georgia; Symposium Presentation, Tulane University, New Orleans, Louisiana; Public Lecture, South Suburban Archaeological Society, Homewood, Illinois; Midwest Andean and Amazonian Meeting Presentation, Chicago, Illinois; Public Lecture and Seminar, University of Illinois, Champaign-Urbana, Illinois; Public Education Courses, Field Museum, Chicago, Illinois; Public Lecture, New York University, New York, New York.
Tours, etc: Field Museum, Chicago.

Catherine Sease

Exhibit Development: Conservation Consultant, "Tibet;" "Traveling Africa;" "Pacific" Revisions; "Living Together."

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: American Institute for Conservation Meetings, St. Paul, Minnesota; Campbell Center for Historic Preservation, Mt. Carroll, Illinois.

Scott Smith

Education Programs: Field Museum Members' Night.

Charles Stanish

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Field Museum Department of Education; University of Chicago; Academy of Sciences; Lecture, Field Museum Women's Board; Lecture, Field Museum Founders' Council.
Tours: Field Museum Member's Tour, Central America; Archaeological Tours, Inc., tour of Peru and Bolivia.

Pamela Stewart

Education Programs: Field Museum Members' Night.

John Terrell

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Northwestern University, Department of Anthropology; University of Wisconsin, Madison, Department of Anthropology; "The Nuveen Forum-- Teaching Culture and Cultural Teachings: Conversations on Culture and Identity in America;" South Suburban Archaeological Society.

Alaka Wali

Exhibit Development: Curator, "Living Together."

Education Programs: Project Director, "The Nuveen Forum-- Teaching Culture and Cultural Teachings: Conversations on Culture and Identity in America."

Seminars and Other Presentations: Panel Moderator, "Cross-Cultural Perspectives on Conflict Resolution," Fifth Annual Chicago Humanities Festival.

Robert Welsch

Exhibit Development: Art of Vanuatu; Papuan Gulf, Hood Museum of Art.

DEPARTMENT OF BOTANY

William Burger

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Biology Department Seminar and Biology Club Lecture, Ohio State University, Columbus, Ohio.

Michael Dillon

Education Programs: Field Museum Members' Night, "Celebración."

Seminars and Other Presentations: "Role of the INTERNET in the Biodiversity Crisis," in Simposio: Estrategias Para Bioconservacion en el Norte del Peru; "Popular Fruits with Latin American Roots," Field Museum's Celebración; "Studies in the Forests of the Alto Rio Mayo: 65 years of Progress?", Development Dinner Address.

John Engel

Exhibit Development: Co-Developer, Where Science and Education Meet: Finding Cures for AIDS from Plants; Point Person, "Drugs and Medicinal Plants."

Education Programs: Field Museum Members' Night; evening class for "Adult, Family and Children's Programs."

Robin B. Foster

Seminars and Other Presentations:

Guest Lecture, Biology Colloquium, University of Illinois, Chicago; Invited Speaker, international symposium: Measuring and Monitoring Forest Biological Diversity; Invited Speaker, Nordic Tropical Botany Meetings; Lectures, summer and fall sessions, Advanced Training in the Conservation of Biological Diversity, Field Museum; Speaker, Ecuadorian Botanical Congress; Invited Speaker Schexnayder Lecture in Botany, Louisiana State University.

Nancy Hensold

Education Programs: Field Museum Members' Night, "Celebración."

Marian R. Kadushin

Education Programs: Field Museum Members' Night.

Exhibit Development: Participation in video production for "Where Science and Education Meet: Finding Cures for AIDS from Plants."

Thomas G. Lammers

Education Programs: Field Museum Members' Night; Neighbor's Day and Neighbor's Day Open House; Green and Growing Fair; Community Outreach Overnight; Adult courses on introductory biological classification and botanical nomenclature, Education Department.

Seminars and Other Presentations: Lecture, Advanced Training Program in Conservation of Biological Diversity; Dewey Elementary School, Evanston; Park Partners Mini Festival, Lathrop Park; Lecture, CEB course.

Tours: Field Museum Members' Tour, Alsace, France; Founders' Council; Teacher In-Service Program, Education Department.

Gregory M. Mueller

Exhibit Development: Point Person and Scientific Content Specialist, "Life Underground: Foundations of the Biosphere."

Education Programs: Field Museum Members' Night; Field Museum Nature Network Walk; Advanced Training Program in the Conservation of Biological Diversity; Field Museum Biodiversity Explorers, High School Internship Program; The Nature Conservancy Short Course on collecting fungi; Guanacaste, Costa Rica, Parataxonomists short course on collecting fungi.

Seminars and Other Presentations: Frances Parker School, Chicago; Department of Biological Sciences, University of Illinois at Chicago; University of Chicago; Department of Plant Pathology, University of Missouri; Congress of European Mycologists, Wageningen, the Netherlands; American Institute of Biological Sciences, San Diego, California; Society for the Preservation of Natural History Collections, Toronto, Ontario; North American Mycological Association, Bemidji, Minnesota; Friends of the Field Museum Library; Field Museum Board of Trustees; Illinois Mycological Association, lectures and field trips; The Nature Conservancy 1995 Stewardship Conference, College of Du Page, Illinois.

John F. Murphy

Education programs: Field Museum Mushroom Walk.

Seminars and Other Presentations: Dissertation Seminar, Virginia Polytechnic Institute and State University, Blacksburg, Virginia; Mycological Society of America Annual Meeting, San Diego, California; Nature Conservancy Stewardship Conference, College of Du Page, Illinois.

Christine Niezgoda

Education Programs: Members' Night.

Seminars and Other Presentations: Panel Moderator, "The Chemistry of Herbarium Materials and Storage," Society for the Preservation of Natural History Collections, Toronto, Canada.

Tours, etc.: Tours for several College-level botany classes.

Jodi Slapcinsky

Education Programs: Field Museum Members' Night.

Exhibit Development: Provided materials for "Medicines, the inside story," a traveling exhibit.

Djaja D. Soejarto

Exhibit Development: Co-Developer, Where Science and Education Meet: Finding Cures for AIDS from Plants. Co-developer/producer. Needle in the Haystack (Botany exhibit).

Education Programs: Field Museum Members' Night; Advanced Training in Conservation Biology.

Qiuxin Wu

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Mycological Society of America Annual Meeting, San Diego, California; "Measuring and Monitoring Biological Diversity: Standard Methods for Fungi" workshop, Beltsville, Maryland; Systematic Mycology and Lichenology Laboratory 10th Annual Meeting, Beijing China.

Tours, etc.: Chinese delegation to observe the development of biodiversity exhibits in the United States.

DEPARTMENT OF GEOLOGY

John R. Bolt

Education Programs: Field Museum Members' Night; Summer Camp.

Seminars and Other Presentations: Society of Vertebrate Paleontology annual meeting, Pittsburgh; Northern Illinois University, DeKalb.

Gregory A. Buckley

Education Programs: Field Museum Members' Night, Geology Behind the Scenes, Dinosaurs and More.

Tours: Women's Board Christmas Tea Tour.

Peter R. Crane

Exhibit Development: Content Specialist, "Science on the Floor;" Steering Committee, "Life Underground;" Steering Committee, "Living Together."

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Division of Biology, California Institute of Technology; Department of Biology, Loyola University, Chicago; SOTAB Conference, University of Georgia, Athens, Georgia; Department of the Geophysical Sciences, The University of Chicago; Field Museum, Nature Network; Illinois Native Plant Society; Botanical Society of America Meetings, San Diego, California; Mexican Botanical Congress, Cuernavaca, Mexico; Michigan Botanical Society, Kalamazoo, Michigan; Linnean Society Regional Meeting, Liverpool, U.K.; Illinois Paleontologists, Springfield, Illinois; Association of Systematics Collections, Washington, D. C.; Andrews University, Berrien Springs, Michigan; USDA Workshop in Green Plant Phylogeny, University of California, Berkeley.

Tours, etc.: Many, including Speaker of the House, Newt Gingrich.

Marlene Hill Donnelly

Education Programs: Field Museum Members' Night, The Grove Interpretive Center, school visits.

John J. Flynn

Exhibit Development: Scientific Content Specialist, "Life Over Time" revisions; Developer/Co-developer, four temporary exhibits: "New Discoveries" ("Life Over Time;" oldest South American fossil monkey skull), mounted cast of "sloth lemur" (*Paleopropithecus*) skeleton for Madagascar symposium, Searle Lounge (Madagascar fossils), Searle Lounge (Gems and Trilobites).

Education Programs: Presenter, Education Department Program; Field Museum Members' Night.

Seminars and Other Presentations: Organizer, Speaker, symposium on "Carnivore Evolution," American Society of Mammalogists ; Field Museum Women's Board; Holmstad Retirement Community, Batavia, Illinois; University of Chicago/Northwestern Krumbein Lecture Tour of "Life Over Time;" Lecture, University of Chicago course, "Research at The Field Museum."

Media Development: Interviewed by print and television media, discovery of 20 million year old monkey skull; Featured in four media presentations (Time-Warner Cable "4u"; WGN-TV "The Bozo Show" in "Life Over Time"; WNBC-TV news feature on dinosaurs and paleontology during network premier of Jurassic Park; HBO production on the making of the movie "Relic").

Awards: "Best Museum Curator," 25th Anniversary Edition ("The Best of Chicago"), Chicago Magazine, December 1995; First Place, Science Category, 6th Annual Muse Awards (American Association of Museums), for "Life Over Time News/The Evolutionary Broadcasting Network" series (Scientific Content Specialist on Development Team).

Tours, etc.: Thai Scientific Delegation; Speaker of the House, Newt Gingrich; University of Chicago courses; various other tours.

Lance Grande

Education Programs: Field Museum Members' Night; Field Museum summer World's Tour Day Camp program.

Seminars and Other Presentations: National University of Mexico (UNAM) Instituto de Geología, and Instituto de Biología (Mexico); American Society of Ichthyologists and Herpetologists, Annual Meeting, Edmonton, Canada.

Patrick S. Herendeen

Education Programs: Field Museum Members' Night, Field Museum Summer World's Tour Day Camp Program.

Seminars and Other Presentations: American Institute of Biological Sciences, San Diego, California.

Tours, etc.: Eastern Illinois University, Southern Illinois University, Northeast Missouri State University, Middle Tennessee State University.

Andrew Leman

Education Programs: Field Museum Members' Night.

Scott Lidgard

Exhibit Development: Developer, Searle Lounge exhibit on Trilobites.

Education Programs: Field Museum Members' Night.

Tours, etc.: Behind the Scenes tours, school group tours; Speaker, Stewardship Dinner.

Robert Masek

Education Programs: Field Museum Members' Night.

Tours, etc.: Behind the scenes tours, school group tours.

Exhibit Development: Joliet Public Library.

Steve McCarroll

Education Programs: Field Museum Members' Night, Dino Days, Community Science Day.

Tours, etc.: Education Overnight; various behind-the-scenes tours.

Seminars and Other Presentations: Poster Presentation, Society of Vertebrate Paleontologists Annual Meeting, Pittsburgh, Pennsylvania.

Clarita M. Nuñez

Exhibits: Searle Lounge Exhibit, Gems and Minerals.

Tours, etc.: Milwaukee Public Museum; Field Museum Development Office; Gmozo Comunicaciones, Chilean National Television; Northwestern University High School Summer Internship Program; Ohio State science teachers.

William F. Simpson

Exhibit Development: Joliet Public Library exhibit; O'Hare exhibit.

Education Programs: Field Museum Members' Night; New Explorers in-service program lecture; museology class lecture.

Tours, etc.: Various grade school, high school, and college classes; Field Museum Board; Field Museum Personnel Department Orientation; Field Museum Development Office.

Meenakshi Wadhwa

Seminars and other presentations: Conference Presentation, Meteoritical Society Meeting, Washington, D. C.; Seminar Talks: University of Chicago, Chicago, Illinois; University of California, San Diego, California.

DEPARTMENT OF ZOOLOGY

Margaret Baker

Education Programs: Field Museum Members' Night.

J . W. O. Ballard

Education: Members Night.

Seminars and Other presentations: Nicholson Conference, Canberra, Australia; Robertson Symposium: Research School of Biological Sciences, Canberra, Australia; Division of Entomology, Commonwealth Scientific and Industrial Research Organization, Invited Seminar; Chicago Community High School Seminar; Invited Speaker, Applied Biosystems One Day Workshop, Chicago.

Tours, etc.: Nature Network.

John Bates

Education Programs: Dinosaur Days.

Seminars and Other Presentations: Rapid Assessment Training Program, Santa Cruz, Bolivia; Museo de Historia Natural Noel Kempff Mercado, Santa Cruz, Bolivia; Universidad Autonoma "Gabriel Rene Moreno", Santa Cruz, Bolivia; V Neotropical Ornithological Congress, Asunción, Paraguay; Villanova University.

Rüdiger Bieler

Exhibit Development: Life Underground.

Education Programs: Field Museum Members' Night; Winter Festivals and Games.

Seminars and Other Presentations: International Malacological Congress, Spain; American Malacological Union, Hawaii; Chicago Shell Club; Philadelphia Shell Club; Field Museum Founders' Council.

Barry Chernoff

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Lecture, Field Museum Stewardship Dinner; WBEZ radio commentaries on fishes; Biodiversity Priorities for Aquatic Ecosystems in Latin America; Joint Meetings of Society for the Study of Evolution/Society for Systematic Biology; Documentary Film in Venezuela, WTTW Television, Chicago; Department of Marine Sciences, Florida Marine Research Institute and University of South Florida; Instituto de Zoología Tropical, Universidad Central de Venezuela.

Tours, etc.: University of Chicago; Field Museum Founders' Council, Cuban delegation, Field Museum Women's Board, selected donors.

Thomas Gnoske

Education Programs: Field Museum Members' Night; Earth Day; Dinosaur Days.

Shannon Hackett

Education Programs: Dinosaur Days.

Seminars and Other Presentations: University of Florida; Joint Meeting of the Society for the Study of Evolution/Society of Systematic Biologists.

John G. Hall

Education Programs: Field Museum Members' Night.

Lawrence R. Heaney

Exhibit Development: Content Specialist, "Masters of the Night."

Education Programs: Director, Advanced Training Program in the Conservation of Biological Diversity; Members Night; Field Museum Founders' Council; Field Partners.

Seminars and Other Presentations: Annual Meeting, Wildlife Conservation Society of the Philippines, Manila; Protected Areas and Wildlife Bureau, Manila; Iligan Institute of Technology, Iligan City, Mindanao, Philippines; Conservation Biology Program, University of Minnesota; Loyola University of Chicago.

Robert Inger

Seminars: University of Malaysia Sarawak; Lecture, Malayan Nature Society.

Julian C. Kerbis Peterhans

Seminars and Other Presentations: American Society of Mammalogists, Annual Meeting, Burlington, Vermont.

John Kethley

Exhibit Development: Consultant, "Life Underground."

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Nature Network.

Dan Miller

Exhibit Development: Consultant, "Life Over Time."

Seminars and Other Presentations: Paper Presentation, Geological Society of America, New Orleans, Louisiana.

Tours, etc.: Various tours, "Life Over Time."

Harry G. Nelson

Education Programs: Field Museum Members' Night; Nature Network.

Alfred F. Newton

Informal Education: Nature Network.

John Ososky

Education Programs: Field Museum Members' Night; "Masters of the Night."

Philip P. Parrillo

Exhibit Development: Consultant, "Life Underground;" Consultant, Exhibit Exploratory Committee, "Science on the Floor;" Consultant, "Spiders!"

Education Programs: Field Museum Members' Night; Instructor, Classes, Fieldtrips, Workshops, Field Museum Education Department; Field Museum Summer World's Tour Day Camp Program; Nathan Hale School; Green and Growing; Parks Partners Mini-Fest; "Dinosaurs and More Festival;" Nature Network

Seminars and Other Presentations: Interview, WFLD Television Fox News; Interview, Hammond Times.

Tours, etc.: Chicago Academy of Arts; Hillside Academy.

Bruce D. Patterson

Exhibit Development: Content Specialist/Label Reviewer, "Masters of the Night;" Label Reviewer, Sea Mammals updates; Co-Developer, Natural and Human-induced change in Madagascar symposium exhibit; proposal of offerings for "Life Underground" and Speciation Lab in "Life Over Time."

Education Programs: Field Museum Members' Night; Docent training lectures, "Masters of the Night;" Symposium Organizer, "Natural and Human-induced Change in Madagascar; Lecture, Members' Brunch; Presentation, Founder's Council Lunch.

Tours, etc.: Field Museum Tour Leader, Easter Island and southern Chile; Museum tours to University of Illinois at Chicago Biology Colloquium; Lord John Walton and company; Speaker of the House, Newt Gingrich; reporters from Daily Herald; Time.

Seminars and Other Presentations: Department of Organismal Biology and Anatomy, University of Chicago; Burke Museum, University of Washington, Seattle; Department of Biology, Northeast Missouri State University, Kirksville, Missouri; American Society of Mammalogists, Burlington Vermont; Ecological Society of America, Snowbird, Utah.

Cassandra Redhed

Education Programs: Field Museum Members' Night, Field Museum Summer World's Tour Day Camp Program.

Tours, etc.: various tours of Amphibians and Reptiles, Northern Illinois University Art Class; Field Museum New Staff and Volunteer Orientation.

Alan Resetar

Exhibit Development: "Life Underground."

Education Programs: Field Museum Members' Night, Field Museum Summer World's Tour Day Camp Program; Nature Calendar.

Seminars and Other Presentations: Lectures, National Park Service Lecture Series; Judge, Northwest Indiana Regional Science Olympiad; Indiana Academy of Science.

Tours: St. Joseph's College Biology Class; Nature Network; Mississippi State Museum.

Mary Anne Rogers

Education Programs: Field Museum Members' Night.

Tours, etc.: Student Achievement Holiday Salute Tour.

Thomas S. Schulenberg

Education Programs: Advanced Training Program in the Conservation of Biological Diversity.

Seminars and Other Presentations: Neotropical Ornithological Congress, Asunción, Paraguay.

Petra Sierwald

Exhibit Development: Developer, "Spiders at the Field;" Scientific Advisor, Smithsonian's Traveling Exhibit, "Spiders!;" Planning, "Spiders;" Scientific Advisor/Exhibit Development, "Life Underground."

Education Programs: Field Museum Members' Night; Winter Festivals and Games.

Tours, etc.: University of Chicago; Nature Network.

John Slapcinsky

Exhibit Development: Life Underground.

Education Programs: Field Museum Members' Night; Family and Group Overnights.

Seminars and Other Presentations: Presentation, Chicago Shell Club; Presentation, Smith Symposium, Lake County Forest Preserves.

Tours, etc.: Otterbein College; University of Chicago; Behind the Scenes; Field Museum New Staff and Volunteer Orientation.

William T. Stanley

Education Programs: Field Museum Members' Night; Volunteer Training Programs, Field Museum Education Department; "Masters of the Night;" City of Chicago Programs in the Parks.

Exhibit Development: Scientific Content Specialist and Developer, "Masters of the Night."

Seminars and Other Presentations: American Society of Mammalogist, Burlington, Vermont; Dewey School; Neighbors Day, Field Museum Education Department; University of Illinois at Chicago Biology Colloquium; high school museology, Field Museum Education Department; Western Illinois University; Behind the Scenes, Field Museum Education Department; University of Chicago.

Media Development: Interviewed for opening of "Masters of the Night," Chicago Sun-Times,

Hammond Times, WKRS-FM, WBBM-AM, WLIT-FM, WLS-TV, WGN-TV; Interviewed for upcoming movie about the Man-eaters of Tsavo and the Making of "Relic," Paramount Pictures.

Daniel Summers

Exhibit Development: Consultant and Content Specialist, "Spiders," Searle Lounge, "Life Underground."

Programs: Field Museum Members' Night; Nature Network, Dinosaur Days.

Seminars and Presentations: Fox 32 television commentary on summer insect pests; Presentation, National Pest Control Technical Directors.

Classes and Tours: Northern Illinois University, University of Wisconsin Biology classes; Field Museum New Staff and Volunteer Orientation.

Kevin Swagel

Education Programs: Field Museum Members' Night.

Tours, etc.: Northern Illinois University art class; Chicago Academy of the Arts anatomy class; Field Museum New Staff and Volunteer Orientation.

Margaret K. Thayer

Exhibit Development: Content Specialist, "Life Underground."

Seminars and Other Presentations: Field Museum Nature Network; Field Museum NSF Intern program; University of Illinois at Chicago Biology Colloquium.

Janet R. Voight

Exhibit Development: "Exploration Zone," "Life Underground."

Education Programs: Field Museum Members' Night.

Seminars and Other Presentations: Associated Colleges of the Chicago Area at Argonne National Laboratory; Lecture, League of Underwater Photographers; Lecture, Chicago Shell Club; American Malacological Union Meeting, Hilo, Hawaii; Twelfth International Malacological Congress, Vigo, Spain; Northwestern University Internship program; University of Illinois at Chicago Biology Colloquium.

Tours, etc.: Members' Tour, British Columbia and southeast Alaska.

Harold K. Voris

Seminars and Other Presentations: Tenth International Bryozoology Association Conference, New Zealand; The Pennsylvania Academy of Sciences; American Society of Ichthyologists and Herpetologists and Herpetologists' League; Invited Talk, Symposium on Natural History of Amphibians and Reptiles.

Education Programs: Field Museum Members' Night.

Tours: Sacred Cities of Southeast Asia.

Mark W. Westneat

Exhibit Development:

Education Programs: Community Science Day; Field Museum Members' Night.

Seminars and Other Presentations: American Society of Ichthyologists and Herpetologists, Edmonton Alberta; Invited Seminar, Department of Organismal Biology and Anatomy, University of Chicago; Invited Seminar, Undergraduate Colloquium in Biology, University of Illinois at Chicago; Lecture, Field Museum Development Dinner; Invited Seminar, University of Texas, Austin.

David Willard

Education Programs: Field Museum Members' Night; Neighbors' Day; Earth Day; Dinosaur Days; Field Museum summer World's Tour Day Camp program; Collection Tours; Evanston Elementary School.

Seminars and Other Presentations: Fort Dearborn Audubon Society; Thorn Creek Audubon Society; Ryerson Smith Symposium; DuPage Woodcarvers Club; Iowa Club of Chicago; Illinois Ornithological Society.

CONTRIBUTIONS TO PUBLIC LEARNING, II, 1995
(UNIVERSITY/HIGH SCHOOL EDUCATION)

DEPARTMENT OF ANTHROPOLOGY

Bennet Bronson

Graduate Student Advised: Magnus Fiskesjo, University of Chicago.

Interns: David Menke, University of Chicago; Elizabeth Garibay, University of Illinois at Urbana.

Training Course: Archaeological Pottery Analysis, Southeast Asian Project in Archaeology and Fine Art, Bangkok, Thailand.

Winifred Creamer

Courses: Seminar in Archaeological Theory, Archaeology of the Southwest, North American Indians, Archaeological Method and Theory, Northern Illinois University; Native Americans of the Southwest, NEH Chautauqua for College Teachers, Santa Fe, New Mexico; Summer Field School in Archaeology at Pueblo Blanco, New Mexico, Northern Illinois University; Presentation on prehistoric life, Longfellow School, Wheaton.

William Grewe-Mullins

Interns: Amy Brown, School of the Art Institute.

Christine Gross

Interns: Amy Brown, School of the Art Institute.

Jonathan Haas

Courses: Archaeology of the Southwest, University of Illinois, Chicago.

Interns: Sven HaaKanson, Jr., Harvard University; Sorrel Goodwin, Northeastern University;

Graduate Students Advised: Mary Futrell, University of Illinois at Chicago; Elizabeth Bagwell, University of California at Berkeley; Brian Billman, University of California at Santa Barbara; Jeremy Kulishek, Southern Methodist University.

Mentorships: Earl Zaromb and Juanita Garcia, Illinois Mathematics and Science Academy.

Chuimei Ho

Conference Organized: Ceramic Project Workshop, Anxi County Museum, Fujian, China.

Janice Klein

Interns: Emil Her Many Horses, Field Museum Native American Intern; Terry Snowball, Field Museum Native American Intern; Sven HaaKanson, Jr., Field Museum Native American Intern; Kate Molumby (post-graduate); Jeffrey Gibson, School of the Art Institute; Heather Morrison, University of Chicago; Mary Ann Peters, University of Nebraska; Beth Gabryszak, University of Wisconsin-Milwaukee.

Chapurukha Kusimba

Interns: Luster Lockhart, University of Iowa; Steve McCandless, Knox College.

Mentorships: Matthew Zinsmeister, Indiana University--Purdue University Indianapolis.

Anna Roosevelt

Courses: Ancient and Modern Hunter-Gatherers of Lowland South America, Human Ecology and Evolution in the Congo Basin, Africa, University of Illinois at Chicago.

Graduate Students Advised: Ellen Quinn, University of Illinois at Chicago; S. Peres, University of Illinois at Chicago; Roselis Mazurek, University of Illinois at Chicago; Susan Swales, University of Florida; Dirse Kern, Universidade Federal do Para; Christiane Machado, Universidade Estadual de SA; Maura Imazio da Silveira, Universidade de São Paulo.

Interns: Marilyn Cosentino, University of Illinois at Chicago; Julie Jimenez, University of Illinois at Chicago; Ellen Quinn, University of Illinois at Chicago; Michael Charlton, University of Illinois at Chicago; Roselis Mazurek, University of Illinois at Chicago; John Roberts, Purdue University.

Catherine Sease

Intern: Holly Lundberg.

Charles S. Stanish

Course: Introduction to Latin American Civilization, University of Illinois at Chicago.

Graduate Students Advised: Chris Begeley, University of Chicago; Kirk Frye, University of California at Santa Barbara; John Janasek, University of Chicago; Matthew Seddon, University of Chicago; Cheryl Sutherland, University of Chicago; Ann Webster, University of Chicago.

John Terrell

Interns: Kelly Nelson, Brandeis University; Stella Kukadia, Marquette University; Erika Radewagen, Northwestern University

Alaka Wali

Course: Issues in Urban Anthropology, University of Illinois at Chicago.

Graduate Students Advised: Gabrielle Powell, University of Illinois at Chicago; Glen Moeller, University of Chicago; Nathan Sayre, University of Chicago.

Interns: Evelyn Henton; Kelly Nelson, Brandeis University; Jon Rogers, University of Illinois at Chicago.

Robert Welsch

Course: Introduction to Anthropology, Anthropology of Art, Dartmouth College, New Hampshire.

DEPARTMENT OF BOTANY

Michael O. Dillon

Graduate Workshop: Botanical Database Construction and Information Management Techniques for Herbaria, Trujillo, Peru.

Robin B. Foster

Courses: Training Course in Rapid Assessment of Biological Communities, Santa Cruz, Bolivia.

Field work Interns/Counterparts: Renato Valencia, Katya Romoleroux, Herbario, Pontificia Universidad Catolica, Quito, Ecuador; Jens Christian Svenning and Else Magaard, Botanical Institute, Aarhus Denmark; Lucia Rossi, Jardim Botânico, Sao Paulo, Brasil; Israel Vargas, Museo de Historia Natural, Santa Cruz, Bolivia; Natalia Hernandez, Fundación Puerto Rastrojo, Bogotá, Colombia; Esezah Kakudidi, Makere University, Kampala, Uganda; Indra Candanedo, INRENARE, Panamá; Gabrielle Rajoelison, University of Antananarivo, Madagascar; Marielos Peña, University of Florida; Martha Serrano, Plan Agroforestal, Chuquisaca, Bolivia; Hamilton Beltran, Museo de Historia Natural, Lima, Peru.

Thomas G. Lammers

Intern: Michael J. Eakes, University of Illinois.

Graduate Student Advised: Kari Morris, University of Illinois at Chicago.

Gregory M. Mueller

Courses: The Diversity of Life Through Time, University of Chicago; Independent Studies in Evolution, University of Chicago.

Graduate Students Advised: John Paul Schmit, University of Chicago; Juan Luis Mata, University of Costa Rica; Loengrin Umaña Tenorio, University of Costa Rica; Milagro Mata Hidalgo, University of Costa Rica

Interns and Trainees: Laura Guzmán, University of Guadalajara, Mexico, Advanced Training Program in the Conservation of Biological Diversity; Sara Foster, University of Illinois at Chicago; Aleksa Kosinski, University of Illinois at Chicago; Deborah Aruguete, University of Chicago; Michelle Eskridge, University of Chicago; Gina Wesley, Northwestern University; Jennifer Tietz, Illinois Mathematics and Science Academy; Joanna Leighe, Illinois Mathematics and Science Academy; Jennifer Fernandez, DePaul University; Ken Puleikis, University of Illinois at Chicago; Anthony Amend, Cornell University; Alexander Janus, Evanston Township High School; Inkyong Lee, Lincoln Park High School; Ismial Morrar, Kennedy High School; Elizabeth Salgado, Benito Juarez High School; Giang Tran, Riverside/Brookfield High School.

Post-Doctoral Associate: John F. Murphy.

John F. Murphy

Interns: Anthony Amend, Cornell University; Deborah Aruguete, University of Chicago; Michele Eskridge, University of Chicago; Alexander Janus, Evanston Township High School; Inkyong Lee, Lincoln Park High School; Ismial Morrar, Kennedy High School; Elizabeth Salgado, Benito Juarez High School; Giang Tran, Riverside/Brookfield High School; Gina Wesley, Northwestern University.

DEPARTMENT OF GEOLOGY

Gregory A. Buckley

Course: Seminar in the Natural Sciences, Roosevelt University; Advanced Seminar in the Natural Sciences, Roosevelt University.

Peter R. Crane

Course: Plant Paleontology, University of Chicago; Angiosperm Diversity and Phylogeny, University of Chicago.

Graduate Students Advised: Jane Masterson, University of Chicago; Rick Lupia, University of Chicago; Paul Markwick, University of Chicago; Hallie Sims, University of Chicago; Susanna Magallon-Puebla, University of Chicago; Melinda Brady, University of Chicago; Anastasia Konopka, University of Illinois at Chicago.

Post-Doctoral Associate: Patrick Herendeen.

John J. Flynn

Courses: Mammalian Evolution, University of Chicago; Professional Issues, University of Chicago; Seminar on Sedimentary Basins of the Americas, University of Chicago.

Seminars and Other Presentations: Evolutionary Morphology Series, University of Chicago; University of Illinois-Chicago.

Graduate Students Advised: Janet Cushing, University of Chicago; Kristina Kaufman, University of Chicago; Doreen Covey, University of Illinois at Chicago; Pamela Austin, University of Illinois at Chicago.

Interns and Work/Study: Michelle Eskridge, University of Chicago.

Post-Doctoral Associates: Michael Nedbal.

Lance Grande

Seminars and Other Presentations: Winter Seminar series, Geology Department, University of Illinois, on theoretical and practical problems in systematic paleontology.

Graduate Students Advised: Jane Norman, University of Illinois at Chicago; Shen, Mei, University of Michigan, Ann Arbor.

Postdoctoral Associate: Mario de Pinna.

Patrick S. Herendeen

Course: Angiosperm Diversity and Phylogeny, University of Chicago.

Graduate Students Advised: Hallie Sims, University of Chicago, Susanna Magallon-Puebla, University of Chicago, Anastasia Konopka, University of Illinois at Chicago.

Undergraduate Students: Hariklia Melagos, Wilhelmina Asis, University of Illinois at Chicago.

Matthew H. Nitecki

Course: Biotic Crises, University of Chicago.

Other Presentation: Freshmen's Orientation Program, University of Chicago.

Olivier C. Rieppel

Course: Evolutionary Morphology of Vertebrates, Northwestern University.

William D. Turnbull

Graduate Student Advised: Darrin Croft, University of Chicago.

DEPARTMENT OF ZOOLOGY

J. W. O. Ballard

Courses: Workshop on Automated DNA sequencing and analysis; Guest Lecturer, Molecular Evolution, University of Chicago.

Graduate Students Advised: Keith Barker, University of Chicago; Nora Galway, Australian National University; Jennifer Ninam, Australian National University; Link Olsen, University of Chicago; Joe Walsh, University of Chicago.

Rüdiger Bieler

Course: Evolution, University of Chicago.

Graduate Students Advised: Roberto Cipriani, University of Chicago; Peter Wagner, University of Chicago.

Postdoctoral Fellow: Alexander Ball, London.

Barry Chernoff

Courses: Systematic Biology, University of Chicago; Advanced Systematic Biology, University of Chicago.

Graduate Students Advised: Kate Kelley, University of Chicago; John Harshman, University of Chicago; Allison Able, University of Chicago; Nadia Romierez, Universidad Central de Venezuela; Doreen Covey, University of Illinois at Chicago; Joe Walsh, University of Chicago; Keith Barker, University of Chicago; Amy Driskell, University of Chicago; Roberto Cipriani, University of Chicago; Janis Kohler, University of Chicago; Link Olsen, University of Chicago; Rachel Collin, University of Washington; Paul Mawene, University of Chicago; Richard Blob, University of Chicago; Melina Hale, University of Chicago.

Interns and Work Study: Anna Chlumsky, Oak Park-River Forest High School; Ivy Wong, Universiti Malaysia Sarawak.

Jack Fooden

Lecture: Biodiversity and Zoogeography of Macaques, Vietnam National University, Hanoi.

Lawrence R. Heaney

Courses: Ecology and Management of Tropical Biodiversity, University of Illinois-Chicago; Independent Studies in Evolution, University of Chicago.

Graduate Students Advised: Danilo Balete, University of Illinois at Chicago; Shukor MdNor, University of Illinois at Chicago; Ruth Utzurrum, Boston University; Joseph Walsh, University of Chicago; Link Olson, University of Chicago; Thomas Schulenberg, University of Chicago; Melissa Morales, University of Chicago.

Interns and Work/Study: Natalie Rigertas, Loyola University; Jodi Sedlock, Loyola University; all Advanced Training Program in the Conservation of Biological Diversity participants.

Robert Inger

Graduate Students Advised: Satie Alfaro, University of Chicago; Ramlah Zainudin; University of Illinois at Chicago.

Julian C. Kerbis Peterhans

Graduate Students Advised: Kathleen Blue, University of Chicago; Melinda Carter, University of Chicago; Charles Musiba, University of Chicago; James Pokines, University of Chicago; Assistant Professor, University of Chicago, Roosevelt University, Chicago.

John Kethley:

Courses: Agricultural Acarology, Medical and Veterinary Acarology, Summer Institute of Acarology, Ohio State University.

Graduate Students Advised: John Harshman, University of Chicago; Alan Molumby, University of Chicago; Jean Tsao, University of Chicago. External reviewer for Katie Strong, Australian Natural University, Canberra.

Dan Miller:

Courses: Seminar and Advance Seminar in Natural Sciences, Roosevelt University; Instructor, External Studies Department, Roosevelt University.

Course Developed: Natural Sciences, External Studies Department, Roosevelt University.

Alfred E. Newton, Jr.

Graduate Students Advised: Yih-Cheng Shiau, University of Illinois at Chicago; Juan Marquez-Luna, UNAM, Mexico City, Mexico.

Bruce D. Patterson

Courses: Biogeography, University of Chicago; Evolutionary Biology, Department of Zoology, University of Washington; Studies in Evolutionary Biology, University of Chicago.

Graduate Students Advised: Nigel Asquith, University of Illinois at Chicago; Pamela K. Austin, University of Illinois at Chicago; Doreen Covey, University of Illinois at Chicago; Jane Norman, University of Illinois at Chicago; Janis Kohler, University of Chicago; S. Kate Lyons, University of Chicago; Link Olson, University of Chicago; Scott J. Steppan, University of Chicago; Benedict Hallgrímsson, University of Chicago; Christopher J. Yahnke, Northern Illinois University; John A. Yunker, North Illinois University; Sergio Solari, Universidad Nacional Mayor de San Marcos, Lima, Peru.

Interns and Work-Study: Lisa Taddei, University of Illinois, Chicago.

Senior Thesis Advised: Laura Nobel, University of Chicago.

Alan Resetar

Interns: Frank Stocker, University of Illinois at Chicago; Michelle Brown, Evanston Township High School.

Petra Sierwald

Courses: Introduction to Evolutionary Biology, University of Chicago; Introduction to Evolution, University of Chicago.

Intern: Meosha Hudson, Malcom X College

Courses Developed: Phylogenetic Study Group for Field Museum Interns Laboratory Exercises; three college-level laboratory exercises using Field Museum's "Life Overtime" and "Messages from the Wilderness Exhibits."

John Slapcinsky

Interns and Work/Study: Justine Barry, Evanston Township High School; Naomi Alfini, Colorado Rocky Mountain School.

Margaret K. Thayer

Graduate Students Advised: Yih-Cheng Shiau, University of Illinois at Chicago; Katherine Kelley, University of Chicago.

Interns: Olga Helmy, Southern Illinois University; Field Museum Biodiversity Explorers.

Janet R. Voight

Courses: graduate student seminar, undergraduate biology course, University of Chicago.

Graduate Students Advised: Anne Bronikowski, University of Chicago; Frank Anderson, University of California at Santa Cruz.

Harold K. Voris

Graduate Students Advised: Satie Alfaro, University of Chicago; Ramlah Zanudin, University of Malaysia at Sarawak.

Interns and Work/Study: Michelle Brown, Evanston Township High School; Sarah Murphy, Plainfield High School; Frank Stocker, University of Illinois at Chicago.

Conservation Participants Advised: Tanya Chan-ard, Royal Thai Forestry Department.

Mark W. Westneat

Courses: Human Morphology, University of Chicago Medical School; Functional Morphology and Evolution of Vertebrates, University of Chicago.

Graduate Students Advised: Valerie Pierce, University of Chicago; Laura Panko, University of Chicago; Matt Carrano, University of Chicago; Jeff Wilson, University of Chicago; Melina Hale, University of Chicago; Nora Espinoza, University of Chicago; Michael Alfaro, University of Chicago.

Interns and Work/Study: Veronica Arreola, University of Illinois at Chicago; Steve Geick, University of Illinois at Chicago; Adam Schwarze, University of Chicago; Jill Weinstein, Duke University.

David Willard

Courses: St. Mary's College Loyola University; Northeastern Illinois University; Art Institute of Chicago (Illustration Course).

ACADEMIC AFFAIRS INTERNS, 1995

High School Interns

Naoimi Alfini, Colorado Rocky Mountain School (Zoology); Justine Barry, Evanston Township High School (Zoology); Michelle Brown, Evanston Township High School (Zoology); Anna Chlumsky, Walther Luthern High School (Zoology); Juanita Garcia, Illinois Math and Science Academy (Anthropology); Alexander Janus, Evanston Township High School (Academic Affairs and Botany); Douglas Kushla, Evanston Township High School (Zoology); Inkyong Lee, Lincoln Park High School (Academic Affairs and Botany); Joanna Leigh, Illinois Mathematics and Science Academy (Botany); Ismail Morrar, Kennedy High School (Academic Affairs and Botany); Sara Murphy, Plainfield High School (Zoology); Elizabeth Salgado, Benito Juarez High School (Academic Affairs and Botany); Jennifer Tietz, Illinois Mathematics and Science Academy (Botany); Giang Tran, Riverside/Brookfield High School (Academic Affairs and Botany); Earl Zaromb, Illinois Math and Science Academy (Anthropology).

Field Museum Scholarship Program Interns

Michael James Eakes, University of Illinois (Botany); Elizabeth Klarich, University of Chicago (Anthropology); Stella Kukadia, Marquette University (Anthropology); Luster L. Lockhart IV, University of Iowa (Anthropology); Erika C. Radewagen, Northwestern University (Anthropology); Jill Weinstein, Duke University (Zoology); Gina Wesley, Northwestern University (Botany).

National Science Foundation Intern Program

Veronica Arreola, University of Illinois at Chicago (Zoology); Deborah Aruguete, University of Chicago (Botany); Wilhelmina Asis, University of Illinois at Chicago (Geology); Michelle Eskridge, University of Chicago (Botany and Geology); Jennifer Fernandez, DePaul University (Botany); Olga Helmy, Southern Illinois University (Zoology); Meosha Hudson, Malcolm X College (Zoology); Avila Terrell Jackson, Northeastern Illinois University (Geology); Aleksa Kosinski, University of Illinois at Chicago (Botany); Natalie Rigertas, Loyola University (Zoology).

School of the Art Institute Interns

Amy Brown (Anthropology), Tony Erwin (Anthropology), Jeffrey Gibson (Anthropology), Michael Ivy (Zoology), Joshua Mosely (Anthropology), Jennifer Van Winkle (Zoology).

Field Museum Native American Intern Program

Sorrel Goodwin, Northeastern Illinois University; Sven HaaKanson, Jr., Harvard University; Rebecca Hammond, Northeastern University; Emil Her Many Horses, Loyola University; Patrick Joshevama; Nancy Lomayaktewa; Terry Snowball, Institute of American Indian Art (all Anthropology).

Prince Visiting Scholars Program

Evelyn Henton, Chicago State University; Julie Jimenez, University of Illinois at Chicago; Roselis Mazurek, University of Illinois at Chicago; Kelly Nelson, Brandeis University; Jon Rogers, University of Illinois at Chicago (all Center for Cultural Understanding and Change).

Post-Graduate Intern

Brian Paul Lesley (Anthropology); Holly Lundberg (Anthropology, Conservation); Kate Molumby (Anthropology, Botany).

Other Interns

Anthony Amend, Cornell University (Botany); Dan Dudek, University of Chicago, (Zoology); Beth Gabryszak, University of Wisconsin-Milwaukee (Anthropology); Elizabeth Garibay, University of Illinois at Urbana (Anthropology); David Menke, University of Chicago (Anthropology); Heather Morrison, University of Chicago (Anthropology); Mary Ann Peters, University of Nebraska (Anthropology); Ken Puleikis, University of Illinois at Chicago (Botany); Frank Stocker, University of Illinois at Chicago (Zoology).

VOLUNTEERS, 1995

DEPARTMENT OF ANTHROPOLOGY

Anu Antilla, Martin Collection; Dorothy Baumgarten, Asian Archaeology and Ethnology; Elizabeth Beak, New Guinea Research Program; Brynn Bender, Conservation; Garland Brown, Collections Management; Sol Century, Asian Archaeology and Ethnology; Aloysius Chen, Asian Archaeology and Ethnology; Tracy Colquhoun, Middle and South American Archaeology and Ethnology; Connie Crane, North American Archaeology and Ethnology; Clare Dolan, Conservation; Paul DuBrow, Asian Archaeology and Ethnology; Betsy Eigenberg, Anthropology; Hershey Escudero, Asian Archaeology and Ethnology; Peter Gayford, Asian Archaeology and Ethnology; Margaret Goes, Middle and South American Archaeology and Ethnology; Meghan Goldman, Conservation; Robert Gowland, Collections Management; Thomas Grygiel, Northern Rio Grande Research Project; Kyoko Iida, Asian Archaeology and Ethnology; Kazuko Ishihara, Asian Archaeology and Ethnology; Douglas Jackson, Martin Collection; Belen Jaquez, Northern Rio Grande Research Project; Derek Kleckner, Asian Archaeology and Ethnology; Stella Kukadia, New Guinea Research Program; Catalina Larios, Living Together Exhibit Research; Heather McMillen, Data Analysis-Harlem Research Project; Jack MacDonald, New Guinea Research Program; Steve McCandless, African Archaeology and Ethnology; Kate Molumby, Anthropology Registrar's Office; Carolyn Moore, Asian Archaeology and Ethnology; Michael Morse, Anthropology Registrar's Office; Barbara Novy, Collections Management; Hiroko Oda, Asian Archaeology and Ethnology; Judy Odland, African Archaeology and Ethnology; Naoko Osawa, Asian Archaeology and Ethnology; Joanna Perlman, Data Analysis-Harlem Research Project; Dorothea Phipps-Cruz, Collections Management; Michael Pollich, New Guinea Research Program; Malcolm Smith, Asian Archaeology and Ethnology; Marcell Smith, Nuveen Forum and CCUC Projects; Sara Spivy, African Archaeology and Ethnology; Gayle Stregge, Asian Archaeology and Ethnology; Akiko Swabb, Asian Archaeology and Ethnology; Ika Tomaschewsky, Northern Rio Grande Research Project; Hsi-tsin Tsiang, Asian Archaeology and Ethnology; Cecelia Wagner, New Guinea Research Program; Wang-fai Wong, Asian Archaeology and Ethnology; Miyako Yamamoto, Asian Archaeology and Ethnology; Edward Yastrow, Prehistoric Archaeology; Tomomi Yoshimizu, Asian Archaeology and Ethnology.

DEPARTMENT OF BOTANY

Helen Beiser, Mycology; Helen Burger, Phanerogams; Tracy Colquhoun, Bryology; Christa DeMarah, Phanerogams; Ernesto DeLaRosa, Phanerogams; Elisabeth Farwell, Mycology; Josephine Garcia, Bryology; Dietrich Haas, Mycology; Dennis Hall, Bryology; Ruthie Harari-Kremer, Phanerogams; Theresa Hicks, Bryology; Jay Horn, Phanerogams; Sharon Kramer, Phanerogams; Margaret Martling, Phanerogams; Selwyn Mather, Type Photographs, Samuel Mayo, Bryology; Marie Meskauskas, Mycology; Ismial Morrar, Mycology; Alice Piller, Mycology; Gina Scaletta, Phanerogams; Martha Singer, Mycology; Daniel Snyder, Phanerogams; Randy Upton, Mycology; Julius Wagman, Bryology.

DEPARTMENT OF GEOLOGY

Barbara Ballard, Invertebrate Paleontology; James Bankard, Vertebrate Paleontology; Michael Berkoff, Vertebrate Paleontology; Paul Brinkman, Vertebrate Paleontology; Irene Broede, Vertebrate Paleontology; Mary Sue Coates, Invertebrate Paleontology; Vesna Garber, Vertebrate Paleontology; Jay Horn, Paleobotany, Wigberto Ingente, Meteoritics/Mineralogy; Walter Laffer, Meteoritics; Byron Livernois, Vertebrate Paleontology; Frank McCauley, Vertebrate Paleontology; John McConnell, Invertebrate Paleontology; Donald Newton, Vertebrate Paleontology; David Nitecki, Invertebrate Paleontology; Trent Santanastaso, Vertebrate Paleontology; Joan Slotnick, Meteoritics/Mineralogy; Kristen Swafford, Vertebrate Paleontology; Elizabeth Wyman, Invertebrate Paleontology; Sarah Young, Invertebrate Paleontology; Matthew Zinsmeister, Vertebrate Paleontology.

DEPARTMENT OF ZOOLOGY

Tom Anton, Amphibians and Reptiles; Paul Baker, Birds; Justine Barry, Invertebrates; Michelle Brown, Amphibians and Reptiles; Robert Brunner, Fishes, Amphibians and Reptiles; Sophie Ann Brunner, Amphibians and Reptiles; Renee Buecker, Insects; Peter Buol, Birds; Sidney Camras, Insects; Robert Cary, Birds; Ewa Dabrowski, Insects; Randall DeBouvre, Invertebrates; Stanley Dvorak, Invertebrates; Louise Dyer, Mammals; M. Alison Ebert, Mammals; Michelle Eji, Mammals; Ingrid Fauci, Amphibians and Reptiles; Eileen Fielding, Insects; Maurice Fry, Birds; Henry Greenwald, Invertebrates; David Hines, Mammals; Jodi Hoffheimer, Mammals; Matthew Horning, Mammals; Michael Huhndorf, Mammals; Fui Lian Inger, Amphibians and Reptiles; Bo Jap, Birds; Edwin Kapus, Invertebrates; Dorothy Karall, Invertebrates; Christopher Kodani, Birds, Catalina Larios, Invertebrates; Armand Littman, Invertebrates; Stacey Powers-Mabry, Mammals; Leslie Major, Birds; Ben Marks, Birds; Laura Miller, Invertebrates; Katlin Mohr, Insects; Sara Murphy, Amphibians and Reptiles; John Ososky, Mammals; Ellen Petrick, Mammals; Jack Piller, Insects; Amy Prieboy, Insects; James Pulizzi, Amphibians and Reptiles; Sheila Reynolds, Mammals; Cheryl Jukich Schmidt, Invertebrates; Sunshine Van Bael, Birds; David Walker, Invertebrates; Brandon Wardell, Birds; Gina Wesley, Mammals; Laura Zaidenberg, Mammals.

OTHER AREAS OF ACADEMIC AFFAIRS

Computing: Wei Xu.

Library: Peter Fortsas, Robert Gowland, Kasia Kipta, China Oughton, Marjorie Pannell, Martha Smith, Worthington Smith.

Photography: Reeva Wolfson.

RESIDENT STUDENTS, 1995

Michael Alfaro, University of Chicago (Zoology); Satie Alfaro, University of Chicago (Zoology); Pamela Austin, University of Illinois at Chicago (Geology, Zoology); Danilo Balete, University of Illinois at Chicago (Zoology); Keith Barker, University of Chicago (Zoology); Melinda Brady, University of Chicago (Geology); Roberto Cipriani, University of Chicago (Zoology); Doreen Covey, University of Illinois at Chicago (Geology, Zoology); Janet Cushing, University of Chicago (Geology, Zoology); Amy Driskell, University of Chicago (Zoology); Jack Dumbacher, University of Chicago (Zoology); Sara Foster, University of Illinois at Chicago (Botany); Melina Hale, University of Chicago (Zoology); Barbara Harney, University of Arizona (Zoology); John Harshman, University of Chicago (Zoology); Mary Hennen, Governor State University (Zoology); Jeff Janovets, University of Chicago (Zoology); Mark Johnston, University of Illinois at Chicago (Botany); Marian Kadushin, University of Illinois at Chicago (Botany); Kate Kelley, University of Chicago (Zoology); Janice Kohler, University of Chicago (Zoology); Anastasia Konopka, University of Illinois at Chicago (Geology); Rick Lupia, University of Chicago (Geology); Kate Lyons, University of Chicago (Zoology); Susana Magallon-Puebla, University of Chicago (Geology); Shukor MdNor, University of Illinois at Chicago (Zoology); Shaibal Mitra, University of Chicago (Zoology); Melissa Morales, University of Chicago (Zoology); Kari Morris, University of Illinois at Chicago (Botany); Link Olson, University of Chicago (Zoology); Samuela Perez, University of Illinois at Chicago (Botany); Jim Pokines, University of Chicago (Zoology); Lisa Rosenberger, University of Chicago (Zoology); John Paul Schmit, University of Chicago (Botany); Thomas Schulenberg, University of Chicago (Zoology); Yih-cheng Shiau, University of Illinois at Chicago (Zoology); Jodi Sedlock, University of Chicago (Zoology); Hallie Sims, University of Chicago (Geology); Suzan Slominski, University of Illinois at Chicago (Geology); Scott Steppan, University of Chicago (Zoology); Joseph Walsh, University of Chicago (Zoology); Manuel Whittaker Pacheco, University of Illinois at Chicago (Botany); Brad Wright, University of Chicago (Zoology); Ramlah Zaindin, University of Illinois at Chicago (Zoology).

HONORARY APPOINTMENTS, 1995

DEPARTMENT OF ANTHROPOLOGY

Associates, Anthropology

Eloise Richards Barter, M.A., North American Ethnography
Sibel Barut, M.A., African Archaeology
Dorothy Baumgarten, A.A., Asian Material Culture
Sol Century, B.S., Asian Material Culture
William J. Conklin, M.A., Peruvian Architecture and Textiles
Connie Crane, A.B., North American Ethnology
Patricia Dodson, M.A., Latin American Archaeology and Ethnology
Carolyn Moore, B.A., Asian Material Culture
Llois Stein, Oceanic Material Culture
Ellen FitzSimmons Steinberg, M.A., South American Archaeology, Physical Anthropology
Frank Yurco, M.A., Egyptology

Research Associates, Anthropology

George Henry Okello Abunga, Ph.D., African Archaeology and Ethnology
Dean E. Arnold, Ph.D., Mesoamerican and South American Archaeology and Ethnology
Philip J. Arnold III, Ph.D., Mesoamerican Archaeology, Craft Production and Ethnoarchaeology
Robert Aunger, Ph.D., Central African Ethnology
Brian Bauer, Ph.D., Andean Archaeology
Lane Anderson Beck, Ph.D., Bioarchaeology, Mortuary Analysis, Paleopathology, Paleonutrition
Robert J. Braidwood, Ph.D., Middle Eastern Archaeology
James A. Brown, Ph.D., North American Archaeology
Jane E. Buikstra, Ph.D., Skeletal Biology, Paleopathology, Paleodemography, Forensic Anthropology
Maria G. Cattell, Ph.D., African Ethnology, Gerontology, Women's Studies
Phillip J.C. Dark, Ph.D., African Ethnology
Raymond J. DeMallie, Ph.D., Kinship, Symbolic Anthropology, Ethnohistory, History of Anthropology; North America
Richard De Puma, Ph.D., Etruscan Archaeology
Farouk El-Baz, Ph.D., Remote Sensing, Northern African Geology
Robert Feldman, Ph.D., Andean Archaeology
Ann L. Grauer, Ph.D., Physical Anthropology
Robert L. Hall, Ph.D., Plains and Midwestern Archaeology and Ethnology
Paul Hockings, Ph.D., Southern Asian Social Anthropology
Bill Holm, M.F.A., Northwest Coast Art and Material Culture
F. Clark Howell, Ph.D., Old World Prehistory
Janet H. Johnson, Ph.D., Near Eastern Archaeology
Lawrence H. Keeley, Ph.D., Europe and North American Paleolithic Archaeology
David John Killick, Ph.D., African Archaeology and Metallurgy
Alan L. Kolata, Ph.D., Andean Archaeology and Ethnohistory
Lyle Konigsberg, Ph.D., Physical Anthropology
Elizabeth Ann Lillehoj, Ph.D., Japan, Material Culture
Marcondes Lima de Costa, Ph.D., South American Geology
Charles E. Lincoln, Ph.D., Mesoamerican Archaeology
Laura Sargent Litten, M.A., Film and Video Production
Deborah L. Mack, Ph.D., African Diasporic Ethnology, Material Culture
Donald E. McVicker, Ph.D., Mesoamerican Archaeology
Michael E. Moseley, Ph.D., South American Archaeology
Charles E. Orser, Jr., Ph.D., Historical Archaeology, Ethnohistory, Archaeological Theory
Douglas W. Owsley, Ph.D., Physical Anthropology
James L. Phillips, Ph.D., Old World Prehistory, Epipaleolithic Typology and Technology
Jack H. Prost, Ph.D., Physical Anthropology and Primate Behavior
George I. Quimby, M.A., Museology and North American Culture History

Johan G. Reinhard, Ph.D., Nepal, Bolivia, Peru
Mario Rivera, Ph.D., South American Archaeology
Adelia Maria Engracia Gama de Oliveira Rodrigues, Ph.D., South American Ethnology
Glenn W. Sheehan, Ph.D., Industrial Archaeology, Arctic Archaeology and Ethnology
Peter E. Siegel, Ph.D., South American and Caribbean Archaeology
Fred H. Smith, Ph.D., Physical Anthropology
Gil J. Stein, Ph.D., Middle Eastern Archaeology, Complex Societies
Pamela Stewart, Ph.D., Biosocial Anthropology
Robin Torrence, Ph.D., Aegean and Pacific Archaeology and Ethnohistory
Nikolaas Johannes van der Merwe, Ph.D., African Archaeology and Metallurgy
Simiyu Wandibba, Ph.D., African Archaeology and Ethnology
Ronald Weber, Ph.D., Amazon Basin and Northwest Coast Archaeology and Ethnology
Donald Whitcomb, Ph.D., Egyptian Prehistory

DEPARTMENT OF BOTANY

Associate, Botany

Cirilo Nelson, Ph.D., Vascular Plants

Lucia Sayre, M.A., Ecology

Betty Strack, M.S., Mycology

Field Associates, Botany

Sandra Knapp, Ph.D., Vascular Plants

David P. Lewis, M.S., Mycology

Marko Lewis, Bryology

Antonio Molina R., Ing. Agr., Vascular Plants

Research Associates, Botany

Janis B. Alcorn, Ph.D., Ethnobotany

John Atwood, Ph.D., Vascular Plants

Robert F. Betz, Ph.D., Vascular Plants

Paul A. Colinvaux, Ph.D., Paleoecology

William T. Crowe, Ph.D., Archaeobotany

Paulo E. De Oliveira, Ph.D., Paleoecology

Sylvia Feuer-Forster, Ph.D., Palynology

Robin B. Foster, Ph.D., Vascular Plants

Jesus Garcia J., Biol., Mycology

Nancy Garwood, Ph.D., Vascular Plants

Sidney F. Glassman, Ph.D., Vascular Plants

Luis D. Gomez, B.S., Mycology

Patrick Herendeen, Ph.D., Vascular Plants

Sara Hoot, Ph.D., Vascular Plants

Michael Huft, Ph.D., Vascular Plants

Sabine Huhndorf, Ph.D., Mycology

Kuswata Kartawinata, Ph.D., Vascular Plants

Timothy J. Killeen, Ph.D., Vascular Plants

Jorgé Gomez-Laurito, M.S., Vascular Plants

Blanca León Ph.D., Pteridology

Rogers McVaugh, Ph.D., Vascular Plants

Gary L. Smith Merrill, Ph.D., Bryology

John (Jack) Murphy, Ph.D., Mycology

Lorin I. Nevling, Jr., Ph.D., Vascular Plants

Stephen Packard, Ecology

Patricio P. Ponce de Leon, Ph.D., Mycology

Jacinto C. Regalado, Jr., Ph.D., Vascular Plants

Abundio Sagástegui, Ph.D., Vascular Plants

Isidoro Sánchez V., Ph.D., Vascular Plants

Pablo E. Sanchez V., M.Sc., Vascular Plants

Rudolf M. Schuster, Ph.D., Bryology

D. Doel Soejarto, Ph.D., Vascular Plants

Tod F. Stuessy, Ph.D., Vascular Plants

Kenneth Young, Ph.D., Vascular Plants

DEPARTMENT OF GEOLOGY

Associate, Geology

Doris Nitecki, M.A., Fossil Invertebrates

Field Associate, Geology

Matt Cotton, M.A., Fossil Invertebrates/Micropaleontology

Research Associates, Geology

Edgar Allin, Ph.D., Fossil Vertebrates

David Bardack, Ph.D., Fossil Fishes

William Bemis, Ph.D., Fossil Vertebrates

Robert Clayton, Ph.D., Meteoritics/Geochemistry

Andrew Davis, Ph.D., Meteoritics/Geochemistry

Robert DeMar, Ph.D., Fossil Vertebrates

Daniel Fisher, Ph.D., Fossil Invertebrates

Michael Foote, Ph.D., Fossil Invertebrates

Catherine Forster, Ph.D., Fossil Vertebrates

Gary Galbreath, Ph.D., Fossil Vertebrates

Timothy Gaudin, Ph.D., Fossil Mammals

Terry Grande, Ph.D., Fossil Fishes

Lawrence Grossman, Ph.D., Meteoritics

Thomas Guensburg, Ph.D., Fossil Invertebrates

William Hammer, Ph.D., Fossil Reptiles

James Hopson, Ph.D., Fossil Vertebrates

David Jablonski, Ph.D., Fossil Invertebrates

Christine Janis, Ph.D., Fossil Mammals/Other Vertebrates

David Krause, Ph.D., Fossil Vertebrates

Michael LaBarbera, Ph.D., Fossil Invertebrates

Ricardo Levi-Setti, Ph.D., Fossil Invertebrates

R. Eric Lombard, Ph.D., Fossil Vertebrates

Ernest Lundelius, Ph.D., Fossil Mammals

Frank McKinney, Ph.D., Fossil Invertebrates

J. Michael Parrish, Ph.D., Fossil Reptiles

Roy Plotnick, Ph.D., Fossil Invertebrates

David Raup, Ph.D., Fossil Invertebrates

J. John Sepkoski, Ph.D., Fossil Invertebrates

Paul Sereno, Ph.D., Fossil Reptiles

Joseph Smith, Ph.D., Mineralogy

Alfred Traverse, Ph.D., Fossil Plants/Paleopalynology

Leigh Van Valen, Ph.D., Fossil Mammals

André Wyss, Ph.D., Fossil Mammals

DEPARTMENT OF ZOOLOGY

Associates, Zoology

Peter L. Ames, Ph.D., Syringeal Morphology of Passerine Birds
Barbara Brown, B.A., Primates
Sophie Ann Brunner, Preparation of Skeletons
Sidney Camras, M.D., Systematics of Conopidae
Edward C. Dickinson, Philippine Birds
Ingrid Fauci, Collection Management, Translations
Elizabeth-Louise Girardi, Ph.D., Land Snails
Fui Lian Inger, Southeast Asian Frogs
Dorothy Karall, B.A., Illustration
Debra K. Moskovits, Ph.D., Conservation
Harry G. Nelson, S.B., Systematics of Dryopoid Coleoptera
Raymond Pawley, B.S., Herpetology
Jennifer Shopland, Ph.D., Ecology of Mixed-Species Bird-flocks in the Neotropics
John A. Wagner, Ph.D., Pselaphidae

Field Associates, Zoology

Fred Aslin, Land Snails, Geology, Biology
Jan Aslin, Land Snails, Geology, Biology
Barbara Becker, M.A., Zoology Research
Somchai Bussarawit, B.S., Biology
Tanya Chanard, M.S., Forest Biology
Leif Davenport, Mammals of Burundi
Merel J. Cox, M.S., Geology
Susan Davis, M.S., Neotropical Birds
John Douglas, M.S., Naturalist
Brian Fisher, M.S., Ants of Madagascar
Bruce Hayward, Ph.D., African Mammals
Kiew Bong Heang, Ph.D., Sea Snakes
Djoko T. Iskandar, Ph.D., Genetic and Systematics of Amphibians
Engkamet Lading, M.S., Biology. Amphibians and Reptiles
Scott Lindbergh, Brazilian Mammals
Douglas Kelt, M.S., Chilean Mammals
Kelvin Lim Kok Peng, Amphibians and Reptiles
David Matusik, Lepidoptera Taxonomy
Gregory Mayer, Ph.D., Organismic and Evol., Biology
Edward Moll, Ph.D., Biology of Freshwater Turtles
John Murphy, M.S., Herpetology
Manuel A. Plenge, Birds
Janice K. Street, Mammals Worldwide
William S. Street, Mammals Worldwide
Walter R. Suter, Ph.D., Systematics of Scydmaenidae (Coleoptera)
Blas Tabaranza, M.S., Philippine Mammals
Ruth Utzurrum, M.S., Philippine Mammals
Robert J. Wolff, Ph.D., Systematics of the Araneida
Anna Wong, B.S., Zoology
Guanfu Wu, Ph.D., Chinese Herpetofauna, Systematics
Bruce A. Young, Ph.D., Snake Morphology

Research Associates, Zoology

Wirt Atmar, Ph.D., Diversity and Community Structure
Warren Atyeo, Ph.D., Systematics of Acari
William Beecher, Ph.D., Jaw and Limb Adaptations Among Passerine Birds
Angelo Capparella, Ph.D., Neotropical Birds
Donald S. Chandler, Ph.D., Systematics of Pselaphidae (Coleoptera)
Dale Claytom, Ph.D., Host/Parasite Coevolution
Timothy Collins, Ph.D., Molecular Evolution of Molluscs
Joel Cracraft, Ph.D., Avian Systematics and Evolutionary Biology
Marian Dagosto, Ph.D., Primates
Sharon Emerson, Ph.D., Functional Anatomy of Anura
John Fitzpatrick, Ph.D., Neotropical Birds
Jack Fooden, Ph.D., Asian Primates
Daniel Gebo, Ph.D., Primates
Malcolm Hast, Ph.D., Mammalian Vocal Apparatus
Rainer Hutterer, Ph.D., Insectivorous, Mammals
Bruce C. Jayne, Ph.D., Marine and Estuarine Snakes
W. B. Jeffries, Ph.D., Coevolution and Symbiosis in Crustaceans
Daryl Karns, Ph.D., Herpetology and Community Ecology
Marcus Key, Ph.D., Bryozoans
Julian Kerbis Peterhans, Ph.D., Mammals
Linda Kinkel, Ph.D., Ring-billed Gulls
David H. Kistner, Ph.D., Systematics of Staphylinidae Associated with Ants and Termites
Michael La Barbera, Ph.D., Functional Morphology of Pectinidae
Peter E. Lowther, Ph.D., Field Museum Nest and Egg Collection
Antonio Machado-Allison, Ph.D., South American Fishes
Yang Chang Man, B.S., Decapods
Patricia McGill, Ph.D., Behaviour and Ecology of Herring Gulls
Peter Meserve, Ph.D., Population Ecology of Small Mammals
Paula Mikkelsen, Ph.D., Marine Mollusks
Charles Nadler, M.D., Sciuridae
Roy A. Norton, Ph.D., Systematics of Acari
Charles Oxnard, Ph.D., Vertebrate Anatomy
Victor Pacheco, M.A., Peruvian Mammals
Tila Maria Perez Ortiz, Ph.D., Systematics of Acari
Philip D. Perkins, Ph.D., Aquatic Coleoptera
Ronald Pine, Ph.D., Taxonomy of South American Mammals
Stephen Pruett-Jones, Ph.D., Behavior and Ecology of Birds of Paradise
George B. Rabb, Ph.D., Taxonomy of Salamanders, Phylogeny of Snakes
Matthew Ravosa, Ph.D., Primates
Charles Reed, Ph.D., Morphology and Evolution of Mammals
Eric A. Rickart, Ph.D., Mammals in Southeast Asia and North America
Scott Robinson, Birds
Victor Sanchez-Cordero, Ph.D., Mexican Mammals
Thomas S. Schulenberg, Ph.D., Ornithology
H. Bradley Shaffer, Ph.D., Herpetology
Petra Sierwald, Ph.D., Systematics, Morphology and Evolution of Spiders
Ronald Singer, D.Sc., Mammalian Anatomy
Robert Stuebing, M.S., Malaysian Ecology
Margaret K. Thayer, Ph.D., Systematics of Staphylinidae (Coleoptera)
Jamie Thomerson, Ph.D., Central and South American Fishes
Robert Timm, Ph.D., New World Mammals
Robert Traub, Ph.D., Siphonaptera
Richard Wassersug, Ph.D., Tadpole Research
John Wible, Ph.D., Higher Level Taxonomy of Mammals
Glen Woolfenden, Ph.D., Florida Scrub Jay
Ermi Zhao, Ph.D., Chinese Herpetofauna, Systematics

COLLECTION STATISTICS, 1995

COLLECTION SIZE AND GROWTH

| DEPARTMENT OF ANTHROPOLOGY | 1994 Number of Specimens | 1995 Number of Specimens | 1994-1995 % growth |
|--|--------------------------------|--------------------------------|-----------------------|
| Africa | | | |
| Sub-Saharan, History-Ethnograph | | | |
| Cameroon, Nigeria and West Africa | 5,319 | 5,406 | 1.63 |
| Benin bronzes | 104 | 104 | 0 |
| Angola and Zaire | 850 | 850 | 0 |
| East and South | 3,843 | 3,877 | 0.88 |
| Madagascar, History-Ethnography | 3,770 | 3,770 | 0 |
| Egypt, Archaeology | 2,820 | 2,820 | 0 |
| Coptic textiles | 670 | 670 | 0 |
| General, Prehistoric Archaeology | 141,940 | 141,940 | 0 |
| General and Other, History-Ethnography | 1,603 | 1,603 | 0 |
| Subtotal Africa | 160,919 | 161,040 | 0.08 |
| Europe | | | |
| Italy, Archaeology | | | |
| Etruscan | 280 | 280 | 0 |
| Roman and Graeco-Roman | 1,080 | 1,080 | 0 |
| Pompeii | 200 | 200 | 0 |
| Other, Archaeology and History-Ethnography | 120 | 120 | 0 |
| General, Prehistoric Archaeology | 45,700 | 45,700 | 0 |
| Subtotal Europe | 47,380 | 47,380 | 0 |
| Asia | | | |
| East Asia, Archaeology and History-Ethnography | | | |
| China, | 15,644 | 15,661 | 0.21 |
| Rubblings | 5,000 | 5,000 | 0 |
| Textiles | 3,000 | 3,000 | 0 |
| Tibet | 4,401 | 4,401 | 0 |
| Japan | 3,931 | 3,935 | 0.10 |
| Sword furniture | 1,060 | 1,060 | 0 |
| Other (Korea, Siberia, etc.) | 702 | 702 | 0 |
| Southeast, History-Ethnography | | | |
| Philippines | 9,151 | 9,151 | 0 |
| Indonesia-Malaysia | 6,461 | 6,462 | 0.02 |
| Mainland | | | |
| Burma | 246 | 246 | 0 |
| Thailand | 130 | 139 | 6.92 |
| South, Archaeology and History-Ethnography | | | |
| India, Nepal, Bangladesh | 2,420 | 2,420 | 0 |
| Sri Lanka | 430 | 430 | 0 |
| Pakistan and Afghanistan | 823 | 823 | 0 |
| Middle East | | | |
| Iran and Jordan, Archaeology | 300 | 300 | 0 |
| Iraq, Archaeology | 31,500 | 31,500 | 0 |
| General Ethnography | 100 | 105 | 5.0 |
| Other (Central, West) | 100 | 100 | 0 |
| Subtotal Asia | 85,399 | 85,435 | 0.04 |

COLLECTION STATISTICS, 1995

COLLECTION SIZE AND GROWTH (cont.)

| DEPARTMENT OF ANTHROPOLOGY (cont.) | 1994 Number of Specimens | 1995 Number of Specimens | 1994-1995 % growth |
|--|--------------------------------|--------------------------------|-----------------------|
| South America | | | |
| Andean Area, Archaeology | 16,900 | 16,900 | 0 |
| Andean Area, History-Ethnography | 704 | 707 | 0.43 |
| Amazonia and Marginal, History Ethnography | 5,421 | 5,421 | 0 |
| General, History—Ethnography | 50 | 50 | 0 |
| Subtotal South America | 23,075 | 23,078 | 0.01 |
| Central And Middle America | | | |
| Mainland, Archaeology | 10,600 | 10,600 | 0 |
| Mainland, History-Ethnography | 2,720 | 2,768 | 1.76 |
| Caribbean, History-Ethnography | 954 | 956 | 0.21 |
| Subtotal Central and Middle America | 14,274 | 14,324 | 0.35 |
| North America | | | |
| Arctic, History-Ethnography | 4,921 | 4,922 | 0.20 |
| Northwest Coast, History-Ethnography | 6,953 | 6,954 | 0.01 |
| California, History-Ethnography | 4,355 | 4,355 | 0 |
| Plains and Basin, History-Ethnography | 15,174 | 15,175 | 0.01 |
| Southwest, History-Ethnography | 5,610 | 5,613 | 0.05 |
| East and Central, History-Ethnography | 3,207 | 3,207 | 0 |
| General, History-Ethnography | 150 | 150 | 0 |
| Southwest and Central, Archaeology | 185,000 | 185,000 | 0 |
| Subtotal North America | 225,370 | 225,376 | 0.002 |
| Pacific | | | |
| Australia, History-Ethnography | 1,561 | 1,561 | 0 |
| New Guinea, History-Ethnography | 16,271 | 16,271 | 0 |
| Melanesia, History-Ethnography | 14,901 | 14,902 | 0.01 |
| Polynesia, History-Ethnography | 5,256 | 5,257 | 0.02 |
| Micronesia, Archaeology, History-Ethnography | 11,270 | 11,270 | 0 |
| General, History-Ethnography | 100 | 100 | 0 |
| Subtotal Pacific | 49,359 | 49,361 | 0.004 |
| Osteological Collection | 4,689 | 4,696 | 0.15 |
| Anthropology Subtotal | 610,465 | 610,690 | 0.04 |

COLLECTION STATISTICS, 1995

COLLECTION SIZE AND GROWTH (cont.)

| DEPARTMENT OF BOTANY | 1994 | 1995 | 1994-1995 |
|------------------------------------|------------------------|------------------------|-----------|
| | Number of Specimens | Number of Specimens | % growth |
| Algae | 78,132 | 78,132 | 0 |
| Fungi: Basidiomycetes | 60,480 | 61,944 | 2.42 |
| Fungi: Ascomycetes and Miscellanea | 33,439 | 33,467 | 0.08 |
| Lichens | 52,461 | 52,461 | 0 |
| Bryophytes | 184,157 | 184,157 | 0 |
| Pteridophytes | 114,305 | 114,805 | 0.44 |
| Gymnosperms | 10,425 | 10,500 | 0.72 |
| Angiosperms | 2,027,678 | 2,035,749 | 0.40 |
| Botany Subtotal | 2,561,077 | 2,571,215 | 0.40 |

| DEPARTMENT OF GEOLOGY | 1994 | 1995 | 1994-1995 |
|---------------------------|------------------------|------------------------|-----------|
| | Number of Specimens | Number of Specimens | % growth |
| Physical Geology | 62,990 | 63,057 | 0.11 |
| Invertebrate Paleontology | 319,345 | 320,255 | 0.28 |
| Plant Paleontology | 63,057 | 63,111 | 0.09 |
| Vertebrate Paleontology | 78,876 | 81,506* | 3.33 |
| Geology Subtotal | 524,268 | 527,929 | 0.70 |

* catalogued specimens. Does not include approximately 25,000 uncatalogued specimens, reported as part of total specimens in prior years.

| DEPARTMENT OF ZOOLOGY | 1994 | 1995 | 1994-1995 |
|-------------------------|------------------------|------------------------|-----------|
| | Number of Specimens | Number of Specimens | % growth |
| Amphibians and Reptiles | 265,227 | 265,969 | 0.28 |
| Birds | 411,055 | 419,530 | 2.06 |
| Fishes | 1,790,231 | 1,793,270 | 0.17 |
| Insects | 9,995,941 | 10,227,619 | 2.32 |
| Invertebrates | 3,916,500 | 3,923,000 | 0.17 |
| Mammals | 153,664 | 155,671 | 1.30 |
| Zoology Subtotal | 16,532,618 | 16,785,059 | 1.53 |
| TOTAL SPECIMENS | 20,228,428 | 20,494,893 | 1.32 |

COLLECTION STATISTICS, 1995

USE OF COLLECTION BY LOAN

| DEPARTMENT OF ANTHROPOLOGY | Number of Loans | Number of Specimens Loaned | Number of Specimens Borrowed |
|----------------------------|-----------------|----------------------------|------------------------------|
| Anthropology Subtotal | 17 | 166 | 1 |
| DEPARTMENT OF BOTANY | Number of Loans | Number of Specimens Loaned | Number of Specimens Borrowed |
| Algae | 0 | 0 | 0 |
| Fungi | 12 | 166 | 97 |
| Lichens | 4 | 210 | 0 |
| Bryophytes | 30 | 6,268 | 678 |
| Pteridophytes | 4 | 413 | 0 |
| Gymnosperms | 0 | 0 | 0 |
| Angiosperms | 136 | 16,880 | 13,197 |
| Botany Subtotal | 186 | 23,937 | 13,972 |
| DEPARTMENT OF GEOLOGY | Number of Loans | Number of Specimens Loaned | Number of Specimens Borrowed |
| Physical Geology | 11 | 69 | 0 |
| Invertebrate Paleontology | 14 | 181 | 13 |
| Plant Paleontology | 1 | 2 | 0 |
| Vertebrate Paleontology | 39 | 761 | 0 |
| Geology Subtotal | 65 | 1,013 | 13 |
| DEPARTMENT OF ZOOLOGY | Number of Loans | Number of Specimens Loaned | Number of Specimens Borrowed |
| Amphibians and Reptiles | 123 | 2,423 | 285 |
| Birds | 97 | 2,498 | 249 |
| Fishes | 59 | 1,026 | 152 |
| Insects | 131 | 8,094 | 5,902 |
| Invertebrates | 54 | 3,725 | 3,285 |
| Mammals | 84 | 1,263 | 325 |
| Zoology Subtotal | 548 | 19,029 | 10,198 |
| TOTAL LOANS | 816 | 44,145 | 24,184 |

COLLECTION STATISTICS, 1995

SCHOLARLY USE OF COLLECTIONS BY VISITORS

DEPARTMENT OF ANTHROPOLOGY

| | Number of Professionals | Number of Students | Number of Others | Total Visitors |
|-----------------------|----------------------------|-----------------------|---------------------|-------------------|
| Anthropology Subtotal | 129 | 50 | 92 | 271 |

DEPARTMENT OF BOTANY

| | Number of Professionals | Number of Students | Number of Others | Total Visitors |
|-----------------|----------------------------|-----------------------|---------------------|-------------------|
| Algae | 0 | 0 | 0 | 0 |
| Fungi | 14 | 5 | 3 | 22 |
| Lichens | 2 | 0 | 0 | 2 |
| Bryophytes | 2 | 0 | 0 | 2 |
| Pteridophytes | 0 | 0 | 0 | 0 |
| Gymnosperms | 0 | 0 | 0 | 0 |
| Angiosperms | 59 | 51 | 11 | 121 |
| Botany Subtotal | 77 | 56 | 14 | 147 |

DEPARTMENT OF GEOLOGY

| | Number of Professionals | Number of Students | Number of Others | Total Visitors |
|---------------------------|----------------------------|-----------------------|---------------------|-------------------|
| Physical Geology | 2 | 14 | 49 | 65 |
| Invertebrate Paleontology | 11 | 15 | 26 | 52 |
| Plant Paleontology | 9 | 19 | 11 | 39 |
| Vertebrate Paleontology | 60 | 107 | 39 | 206 |
| Geology Subtotal | 82 | 155 | 125 | 362 |

DEPARTMENT OF ZOOLOGY

| | Number of Professionals | Number of Students | Number of Others | Total Visitors |
|-------------------------|----------------------------|-----------------------|---------------------|-------------------|
| Amphibians and Reptiles | 69 | 198 | 213 | 480 |
| Birds | 23 | 16 | 20 | 59 |
| Fishes | 44 | 44 | 206 | 294 |
| Insects | 50 | 104 | 102 | 256 |
| Invertebrates | 15 | 6 | 35 | 56 |
| Mammals | 79 | 71 | 180 | 330 |
| Zoology Subtotal | 280 | 439 | 756 | 1,475 |

| | | | | |
|----------------|-----|-----|-----|-------|
| TOTAL VISITORS | 568 | 700 | 987 | 2,255 |
|----------------|-----|-----|-----|-------|

INFORMATION SERVICES

COMPUTER SERVICES

Computer Services is charged with supporting and coordinating diverse computer related activities at The Field Museum.

This past year we made significant progress toward decentralizing and distributing our computer resources, while expanding and segmenting our Ethernet network and upgrading our base of aging equipment including one multi-user system, many PCs, printers and other devices. These activities facilitated a higher level of information exchange and efficiency among various areas of the Museum, and contributed to information sharing with researchers and the public consistent with the Museum's goals and mission.

For several years we had recognized the need for replacing our aged DEC VAX 11/785 which we use to manage much of our collection data. Late last year we installed a DEC Prioris HX 5133DP server to replace the VAX. The Prioris server is significantly smaller, more powerful and economical than the system it replaces. It will allow us to continue our collection management activities with little interruption while further facilitating our conversion to a client/server architecture as new servers are added in various areas of the Museum to meet our changing needs.

To take advantage of the client/server architecture and to keep pace with hardware and software developments in the computer industry, we have made a concerted effort to replace aging PCs and printers in strategic areas of the museum while redistributing older, but serviceable equipment to areas with more modest requirements. A significant proportion of the Museum's desktop systems now run windows based operating systems; accordingly, we have updated application software on many of these systems.

When the VAX is retired in the first half of 1996, two hundred twenty-four low speed ports that were used by museum staff to connect to this system and the Museum network will be unavailable as well. To meet this problem we have expanded our Ethernet network to wiring centers used by the VAX. For a time, the low speed cabling will be re-used via Ethernet terminal/prINTER servers to maintain service to equipment which either does not have a high speed cable, or is not suitable for use with Ethernet. In the past year we have put in service more than two hundred Ethernet ports and half that number of Ethernet cables from desktops to established wiring centers throughout the Museum. More than one hundred museum staff have an Ethernet connection to their desktop to communicate with systems, servers, the Internet and other network devices. Because of the increased network traffic we have also begun segmenting the Museum network through the use of network switches, bridges and routers, particularly where we have installed local area networks such as those established in Design and Production (AppleTalk) and Public Relations (MS Windows NT) that have been attached to the larger, Museum network.

Another important event this year was replacement of our 56 Kb/s link to Internet with a faster T1 (1.544 Mb/s) connection in September. As more museum staff have obtained Ethernet connections, so too has their use of Internet increased. Moreover, six workstations were configured for public access to the Internet: one each in Webber and Rice Resource Centers, the Library, two in Harris Loan Center and one in Education. Persons outside the Museum have also increased their use of Museum information as Museum staff have contributed to the functionality and content to our Gopher and World Wide Web servers.

The present staff of computing includes:

Computer System Manager: James W. Koeppl, Ph.D. Biology (Systematics and Ecology, 1979). Duties include technical management of all institutional computing resources, including hardware, software and personnel. Responsibilities also include planning for future institutional information processing needs, assisting in negotiating licenses and contracts, representing the Museum on computer related issues and generally performing the lead technical role in helping the institution meet its short and long term goals and mission. He also endeavors to ensure security for all computer resources and affects delivery of all other computer service functions.

Computer Systems Specialist: Peter E. Lowther, Ph.D. Biology (Systematics and Ecology, 1979). Duties include data and database administration for museum systems. Provides system management, administration and network management, user support and training on Unix systems. Provides basic hardware and software support on PCs.

Computer Systems Specialist: Dahao Wang, M.S. Electrical Engineering 1993. Duties include low level support for PC hardware and software and Unix systems. Installs and maintains various LANs. Responds to user trouble reports, diagnoses problems, makes minor and major repairs of components, fills other requests as directed; provides assistance with user training and computer resources. Provides support for complex applications such as JAVA, AutoCad, Graphics software, LANs, Unix and C programming.

Computer Operations Specialist: Gregory Kotulski specializes in all functions related to administrative systems, particularly the two Microvaxes, and the Financial and Development software that run on them. Assists with PC hardware and software in other areas.

INFORMATION SERVICES

THE FIELD MUSEUM LIBRARY

The mission of Field Museum Library is to build, organize and maintain for use the research collections essential to the Museum's scientific, educational and exhibition programs. Since its organization in 1894 at the Museum's founding, the Library's holdings have grown to include 250,000 volumes of books and journals and significant special collections of archives, manuscripts and original natural history illustrations. The strengths of the Library collections closely parallel the strengths of the Museum's scientific collections in the fields of anthropology, botany, geology, paleontology and zoology, and emphasize biological systematics, evolutionary biology, ethnology and material culture.

The continuous development of the Library collections requires the acquisition of research materials from all parts of the world. Books are purchased through specialized suppliers on several continents or acquired directly from publishers in scores of countries. Serial publications, the backbone of any scientific library, account for two thirds of the Library's holdings in some subject areas. While the Library subscribes to approximately 1,100 domestic and foreign journals, the principal means of acquiring foreign journals is the publications exchange program. Exchange agreements with over 1,000 museums, societies, academies, and other organizations worldwide brings to the Library nearly 3,500 serials of every description. Exchange partners receive in return one or more of the Museum's four Fieldiana scientific series, covering the areas of anthropology, botany, geology and zoology.

The Library collections are available to a broad spectrum of users. Chief among these are the Museum's staff and research associates, followed, in ever widening circles, by the volunteers, interns, visiting researchers, specialists and consultants in all areas of the Museum's activities. Through the long established channels of Interlibrary Loan, now enhanced by cooperative online services, the national and international scholarly community constantly use the Library's resources through loans of materials and provision of photocopies. Through its Public Reading Room the Library's collections are also available on a non-circulating basis to all members of the public who have need of its specialized materials.

The Library became a member of OCLC (Online Computer Library Center) in 1977, and has added its cataloging and holdings symbol for all new acquisitions since 1977 to OCLC's Online Union Catalog, making an ever larger portion of its collections available to OCLC member libraries. The Library also participates in a variety of cooperative efforts through such organizations as ILLINET (Illinois Library Network) and the Chicago Library System.

Numerous special collections held by the Library contain a wealth of rarely-held material. The core of the book collections held in the Mary W. Runnells Rare Book Room consists of several specialized subject collections formed by individuals. The Edward E. Ayer Ornithology Collection is among the finest collections of ornithological literature in the country. The Ayer Collection is widely known through John Todd Zimmer's *Catalogue of the Edward E. Ayer Ornithological Library* (Chicago, 1926). The Berthold Laufer Asian Collections contain rich holdings of Chinese and Japanese books, as well as numerous works in Tibetan, Manchu and Mongolian. The Laufer Collections cover a broad spectrum of subjects relating to the anthropology and culture of China, Japan, India, and Southeast and Central Asia, and include works printed from the fifteenth to the twentieth century. The George Frederick Kunz Collection contains hundreds of obscure titles and rare imprints from the sixteenth to the eighteenth centuries on the subjects of mining, mineralogy, gemology, alchemy, technology and general natural history.

Each year the Library makes significant additions to the collections held in the Mary W. Runnells Rare Book Room through acquisition funds provided by the Friends of Field Museum Library. During 1995 the Friends acquired a print lacking from an important ornithological book, two important early works on economic and medical botany, and a copy of Charles Darwin's first published book.

Christian Ludwig Brehm's *Monographie der Papageien* (Jena, 1842-1855) is a work of taxonomic importance on the systematics of parrots. The Library's copy -- part of the Edward E. Ayer Ornithological Collection -- was lacking plate number 66, illustrating *Psittacus erithacus*, the common gray parrot. The Friends were able to acquire a copy of this print, which has now been inserted in its place, completing the volume.

Nicholas Culpeper (1616-1654) and John Hill (1707?-1775) each produced popular and informative herbals which appeared in many editions during their lives, and were afterwards expanded and updated by numerous authors well into the nineteenth century. The Friends acquired very fine copies of these two works, in undated editions published circa 1800. Our copy of *Culpeper's English Physician; and Complete Herbal* was published in London by E. Sibly, who contributed considerable additional material to this edition. Hill's *Family Herbal, or an account of all those English Plants, which are Remarkable for their Virtues*, was published in Bungay, Suffolk. Both books contain numerous hand-colored engravings of plants.

Charles Darwin's first published book was his *Journal of Researches into the Geology and Natural History of the Various Countries Visited by H.M.S. Beagle ... from 1832 to 1836*. This work first appeared as part the official narrative of the Beagle voyages, published in three volumes in London in 1839. Darwin's *Journal* occupies more than half of the third volume of this set. Eight separately published maps accompanied the three volumes of the *Narrative*. The maps with our set -- folded and contained in a small linen portfolio -- were in need of restoration. Thanks to the Samuel and Marie-Louise Rosenthal Conservation Fund, these have received a full conservation treatment. Cleaned, deacidified and repaired, the maps have been individually matted and are now housed in an artfully constructed clamshell box designed by conservator Ralph MacGuinness.

LIBRARY ACQUISITIONS AND COLLECTION USE, SUMMARY TABLE, 1995

| Library | Holdings 12/31/94 | Purchase | BOOK ACQUISITIONS | | | Serials Received (volumes) | Holdings 12/31/95 |
|--------------|----------------------|----------|-------------------|------|-------|----------------------------------|----------------------|
| | | | Exchange | Gift | Other | | |
| General | 105,163 | 179 | 38 | 117 | 31 | 450 | 105,978 |
| Anthropology | 38,056 | 168 | 36 | 66 | 51 | 120 | 38,497 |
| Botany | 31,975 | 62 | 15 | 122 | 27 | 130 | 32,331 |
| Geology | 36,520 | 57 | 13 | 12 | 11 | 170 | 36,783 |
| Zoology | 37,401 | 99 | 8 | 95 | 30 | 120 | 37,753 |
| Birds | 11,692 | 27 | 1 | 11 | 4 | 20 | 11,755 |
| Mammals | 4,201 | 34 | 0 | 7 | 3 | 15 | 4,260 |
| Insects | 14,576 | 14 | 3 | 11 | 4 | 60 | 14,668 |
| Invert. | 4,049 | 20 | 2 | 13 | 9 | 12 | 4,105 |
| Fishes | 1,091 | 12 | 0 | 11 | 1 | 8 | 1,123 |
| Reptiles | 1,792 | 14 | 2 | 42 | 9 | 5 | 1,864 |
| Total | 249,115 | 565 | 110 | 412 | 150 | 990 | 251,342 |

INFORMATION SERVICES

PHOTOGRAPHY

Photography provides a full range of photographic services to all Field Museum staff, and makes its services and collections available externally to a diverse group of scholars, educational and research institutions, governmental granting agencies and scientific and commercial publishers. The department is responsible for creating new photography, providing lab services, negotiating rights and permissions for use of photographic images, and maintaining the photography collection.

The photography collection is catalogued, filed and maintained in a controlled storage environment. Access to the collection and photo research are provided by department staff. The collection currently holds over 500,000 images, and grows annually by an estimated 15,000 images. The photographic collection at The Field Museum contains the only comprehensive visual documentation of the Museum's scientific collections, research, field work, exhibits and history of the museum. Photographs in the collection range from the earliest field expeditions to the most current scientific images.

Internal Requests

The department serviced 901 internal job requests in 1995. Most requests were for black and white printing, and color slide production. Museum staff ordered 10,149 black and white prints, 5,607 of which were produced at our in-house darkroom facility. Museum staff also ordered 8,503 color slides, with 6,121 produced in-house. More than 200 assignments required new photography of people, places, objects and specimens.

Academic Affairs submitted 496 job requests, including 6,121 black and white prints and 3,975 slides. This amount includes 1,044 black and white prints ordered by the Botany Department, largely for the herbarium type photo collection; 1,740 black and white prints ordered by the Geology Department; and 1,031 color slides ordered by the Zoology Department, mainly for use in research publications and presentations.

Museum Affairs submitted 232 job requests, including 4,922 black and white prints and 3,072 color slides. Public Relations requested 4,237 black and white prints and 1,686 color slides for use in publicizing permanent, temporary, and traveling exhibits, as well as lectures, performances and demonstrations. Exhibits requested 456 black and white prints and 1,177 color slides. Much of the Museum Affairs work involved photography relating to new exhibits: BATS - Masters of the Night, What is an Animal, Teeth Tusks and Tar Pits, Traveling Africa, Spiders, and revisions of Traveling the Pacific, for exhibit display, promotion and documentation.

Institutional Advancement submitted 132 requests for photography. An additional 26 requests were received from the President's office. The outcome was the production of 1,301 color slides, 833 color prints, and 1,746 black and white negatives. Institutional Advancement requests extensive photography of the events and functions they sponsor.

Selected internal publications:

- Photography for scientific publications by curators including: Lance Grande, Curator, Fossil Fishes; James Vanstone, Curator Emeritus, North American Archaeology and Ethnology; Gregory M. Mueller, Associate Curator, Mycology and Head, Cryptogams; Harold Voris, Curator and Head, Amphibians and Reptiles.
- Perspectives: 1995, the annual report to Field Museum donors, published by the Office of Institutional Advancement. More than sixty of the photographs published were produced by the Photography Department.
- The Women's Board Calendar, also distributed to Field Museum members. Photography of objects from the Japanese collections. All sixteen photographs used were produced by the Photography Department specifically for this publication.
- In the Field, the bimonthly publication mailed to Field Museum members. The Photography Department produces on average, fifteen photographs per issue.

- The Museum Souvenir Book, published by The Field Museum Stores. It includes sixty photographs, all produced by the Photography Department.
- The Field Museum World Wide Web Home Page. The World Wide Web page <<http://www.bvis.uic.edu/museum>> expanded in 1995 by adding links to the Teeth, Tusks and Tar pits exhibit. This includes photographs of Charles Knight murals, exhibit elements and fossil vertebrate material taken and supplied by the Photography Department.
- New Tourism Brochure, produced by Public Relations, required new photography. This widely distributed brochure, with a print run of 500,000, is expected to be available over the next two years.
- Connecting in its Second Century, the strategic plan document published by the President's Office, uses twenty-three photographs supplied by the Photography Department.
- Women in the Eyes of Man: Images of Women in Japanese Art from The Field Museum. This catalogue contains fifty photographs of objects from The Field Museum's Boone collection, which were shot specifically for this project by the Department. It is a companion piece to an exhibition developed in collaboration among DePaul University, The Field Museum, and The Smart Museum of Art at the University of Chicago.

External Requests: Sales and Permissions

In 1995 the Department of Photography received 430 external sales requests and approximately 200 research (non-paying) requests. E-mail requests for photographs or information has increased from one per month in 1994, to an average of two to three requests per week in 1995. As more and more companies and institutions become connected to the Internet, the Photography Department is able to send preview images for review. These images are of extremely low resolution and are not of publishable quality. Preview images are only sent to frequent requesters and sister institutions and are sent under the condition that they not be copied or transferred. A Hewlett Packard ScanJet IIC is used to create the preview images. In 1995, both John Weinstein and Nina Cummings' computers were connected to the Internet and the World Wide Web by way of the new T-1 line.

Paramount Pictures purchased more than thirty photographs for its movie, The Relic, which was filmed at the Museum in 1995. The photographs were selected by Nina Cummings for use as background images in several scenes. The majority of the photographs are of historical expeditions conducted by the Anthropology, Botany, Geology and Zoology departments.

Many requests received in-house are for photographs to be sent to outside research institutions, academic publications and individuals. More than 100 requests of this type were processed. An example of this type of request is the Anthropology Department sending photographs from the Collection to Native American Tribes for identification, or to add to their research libraries.

Of the hundreds of external requests received in 1995, the majority of the images are used in scientific and anthropological textbooks, and for educational use. Here is a brief selection chosen to show the wide range of photos and photo requests:

Selected External Publications:

- American Museum of Natural History. Murals of the Green River, from the Life Over Time exhibit, by National Park Service artist Robert Hines, were used as reference material for the renovation of their Fossil Hall.
- CHEMCOM/ Chemistry in the Community, by the American Chemical Society, published by Kendall/Hunt. Included a copy of Caryatid, showing acid rain damage.
- DISCOVERY Channel program on 19th Century archaeologists, for Atlantic Productions. Included material on Edward Thompson and Columbian Exposition: copies of stereoscope slides, tickets from exhibition, and objects on display in the early Field Museum. Also included were several photographs of Leon Mandel and the 1941 Galapagos Island expedition.
- Breakthrough Magazine; Issue 40, "Addendum to Hair Transplant Reproductions." Included several photographs of the preparation of Bushman.
- Video honoring Ron Gidwitz, produced by Boys and Girls Club of America. Included photos of Ron and Christine Gidwitz at Women's Board Gala.
- CD-ROM on totem poles, produced by Canadian Museum of Civilization. Included seventeen photographs of totem poles from the Museum, both on exhibit and in situ.

- "Cultural Masks Portfolio Prints", series of educational posters, produced by Crystal Productions. Masks from Africa.
- Lyric Opera of Chicago Newsletter--Photograph of a Yak--to illustrate that wigs are sometimes made of Yak hair.
- "Paleoworld" series, produced by Wall to Wall Television, U.K. Included several photographs of Elmer Riggs 1926 expedition.
- "Beware The Sun Is Harmful To Your Eyes," Muscle and Fitness Magazine. A Chicago physician who wrote the article use a color slide of the prehistoric diorama "Neolithic Sun-Worshiper"

INFORMATION SERVICES

FIELD MUSEUM PRESS, 1995

Anthropology

No. 24. Paugvik: A Nineteenth-Century Native Village on Bristol Bay, Alaska. By Don E. Dumond and James W. VanStone; 1995. 109 pp., 47 illus. \$23.00 (Publ. 1467).

No. 25. Traditional Beluga Drives of the Iñupiat of Kotzebue Sound, Alaska. By Charles V. Lucier and James W. VanStone; 1995. \$20.00 (Publ. 1468).

Botany

No. 35. Flora of Peru. Family Asteraceae: Part VI. By Ramon Ferreyra; 1995. 123 pp., 10 illus. \$23.00 (Publ. 1461).

No. 36. Flora Costaricensis. Family #113 - Euphorbiaceae. By William Burger and Michael Huft; 1995. 169 pp., 32 illus. \$30.00 (Publ. 1469).

Geology

No. 30. Giant Short-Faced Bear (Arctodus simus yukonensis) Remains from Fulton County, Northern Indiana. By Ronald L. Richards and William D. Turnbull; 1995. 34 pp., 20 illus. \$10.00 (Publ. 1465).

No. 31. The Genus Placodus: Systematics, Morphology, Paleobiogeography, and Paleobiology. By Olivier Rieppel; 1995. 44 pp., 47 illus. \$12.00 (Publ. 1472).

No. 32. Pachypleurosaurs (Reptilia: Sauropterygia) from the Lower Muschelkalk, and a Review of the Pachypleurosauroidea. By Olivier Rieppel and Lin Kebang; 1995. 44 pp., 28 illus. \$12.00 (Publ. 1473).

Zoology

No. 80. Revision of the Tribe Phyllotini (Rodentia: Sigmodontinae), with a Phylogenetic Hypothesis for the Sigmodontinae. Scott J. Steppan; 1995. 112 pp., 44 illus. (Publ. 1464).

No. 81. Systematic Review of Southeast Asian Longtail Macaques, Macaca fascicularis (Raffles, [1821]). By Jack Fooden; 1995. 206 pp., 31 illus. \$35.00 (Publ. 1470).

No. 82. The Birds of Sibuyan Island, Romblon Province, Philippines, with Particular Reference to Elevational Distribution and Biogeographic Affinities. Steven M. Goodman, David E. Willard, and Pedro C. Gonzales; 1995. 57 pp., 12 illus. \$12.00 (Publ. 1471).

SCIENTIFIC SUPPORT SERVICES

THE BIOCHEMISTRY LABORATORIES

The Biochemistry Laboratories are a Field Museum research facility dedicated to using methods of molecular biology in the genetic study of organisms and their evolution. The genetic data contained in DNA sequences have become increasingly important in determining relationships among groups of species and their probable patterns of descent from common ancestors. Some other uses of genetic data in environmental and evolutionary biology are:

i) in biogeography, as in the determination of genetic relationships among groups of populations, such as American Indians, to be able to infer historical patterns of migration and settlement; ii) in determining evolutionary relationships between different species, for example, humans and other primates; iii) in endangered species propagation programs at zoological parks, as a tool to measure the genetic health of captive populations; and iv) in the study of extinct or endangered species from specimens in museum collections.

The Laboratories currently employ gene amplification technology (the Polymerase Chain Reaction or PCR) coupled with DNA sequencing as the primary tools to obtain genetic data. These are sensitive methods that allow Museum scientists to extract and sequence DNA contained in museum specimens, including the small amounts of DNA that may still remain in skins, skeletal material, and dried herbaria specimens.

In 1994-95 the Biochemistry Laboratories were renovated in part with funds provided by an infrastructure improvement grant from the National Science Foundation. These facilities, which include new laboratory furniture, an improved ventilation system, and upgraded electrical services opened in 1995.

In 1994 the Field Museum Biochemistry Laboratories were awarded a grant from the National Science Foundation to purchase an Applied Biosystems automated DNA sequencer. The sequencer was installed in 1995. This instrument allows Field Museum researchers to acquire DNA sequence data for research projects in systematics and evolutionary biology, faster and more efficiently than the manual methods they employed in the past.

Demand for the use the Biochemistry Laboratories for molecular systematics research by Field Museum staff and students has steadily increased since the PCR and DNA sequencing were introduced here in early 1990. The Laboratories' goals in the near future are to increase the rate and efficiency of DNA sequence data collection and thereby permit additional staff the opportunity to use its facilities in their research.

SCIENTIFIC SUPPORT SERVICES:

SCANNING ELECTRON MICROSCOPE

The Scanning Electron Microscope (SEM) is an invaluable resource for both original research observations and documentation of results. It allows researchers to examine fine surface details of three-dimensional objects at magnifications ranging from 10x to 40,000x. Current research projects using the SEM range from various studies of the structure and biology of fossil and living plants to investigations of the structure of skulls and teeth of small mammals to examinations of snails and other mollusks. Other SEM projects include studies of the morphology of beetles, fungal spores, and bryozoans.

The Scanning Electron Microscope facility is a multi-user research area composed of an SEM and its ancillary equipment. Twenty-eight curators, professional staff, students, research associates, and visiting scientists in Academic Affairs employed the SEM in their research projects in 1995. Investigators from the Departments of Botany, Geology and Zoology obtained more than 2000 publishable SEM photographs. The Field Museum purchased an AMRAY Scanning Electron Microscope in 1989 with the support of the National Science Foundation and the Elizabeth F. Cheney Foundation to replace the out-of-date SEM that had serviced the facility for almost twenty years.

Betty Strack, a part-time staff member, manages the SEM laboratory. Her duties include supervising the use of the SEM, maintaining detailed records of its use, and providing assistance to staff in their SEM projects. Strack also keeps the facility in good operating condition and performs routine maintenance on instruments.

SCIENTIFIC SUPPORT SERVICES

SCHOLARSHIP COMMITTEE

The Field Museum encourages and supports the use of its collections and facilities by outside scholars and students. The Scholarship Committee is responsible for the review of applications and the disbursement of funds for visiting scientists, graduate fellows and undergraduate interns who wish to work with the museum's collections or collaborate with its scientists. The Scholarship Committee administers seven separate funds. These include the Borg-Warner Robert O. Bass Visiting Scientist Fund, the Rowley Fund, the Karl P. Schmidt Fund, the Thomas J. Dee Fellowship Fund, the Armour Fund, the Louer Fund, and the undergraduate internship fund.

During 1995, the Scholarship Committee, chaired by Lance Grande, awarded fifteen scholarships, two fellowships, and seven internships, in the four scientific departments. Of these awards, six scholarships were given to exceptional graduate or undergraduate students who have demonstrated a strong commitment to the study of natural history. The remaining scholarships were given to scientists from around the world, including scholars from Brazil, China, Ethiopia, Portugal, Russia and Thailand, as well as numerous scientists from the United States and Canada.

Scholarships and Internships Awarded in 1995

Lester Armour Family Graduate Fellowship (for outstanding graduate students to pursue advanced studies in one of the scientific departments at the museum) Shen Mei, and Joseph Walsh, Jr. (funded jointly with the Rowley Fellowship fund).

Borg-Warner Robert O. Bass Visiting Scientists (for the support of visiting scientists) Theresa M. Bert (U.S.A.), Júlio César Garavello (Brasil), Ana Maria Giulietti (Brasil), and Mark V. H. Wilson (Canada).

Thomas J. Dee Fellows (for research and academic fellowships with priority given to younger, less well established research workers and to graduate students) Robert P. Anderson, Marcelo Carvalho, Robert M. Chandler, James P. Dines, Timothy Owen Koneval, Jeremy R. Kulisheck, Mesfin Tadesse and James B. Wood.

William A. and Stella Rowley Graduate Fellowship (to support outstanding graduate students in one of the four research departments in the museum) Joseph Walsh, Jr. (funded jointly with the Armour Fellowship fund).

Karl P. Schmidt Scholars (for the training of young scientists who desire to study at the Field Museum) Leif Davenport, Helena Fortunato, Somsak Panha.

Internships (work experience whereby an undergraduate or recent graduate gains hands-on training in his/her field of expertise for one or more semesters) Michael James Eakes, Elizabeth A. Klarich, Stella Kukadia, Luster L. Lockhart IV, Erika C. Radewagen, Jill Weinstein, Gina Wesley.

